GI	5922620	Score	69
Exons	914..1043, 2639..2684		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o4.tm	Method	TBLASTX:Maize
Start	8471	End	11930
GI	none	Score	43
Exons	8471..8530, 8494..8526, 8539..8604, 8539..8616, 8541..8606, 9595..9654, 9596..9655, 9639..9821, 9662..9820, 9901..9966, 9902..9967, 9912..9965, 9913..9966, 11702..11818, 11703..11930		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.tc	Method	TBLASTX:Cress
Start	9750	End	11058
GI	none	Score	60
Exons	9750..9812, 9901..9966, 10574..10762, 10639..10722, 10828..11058, 10839..11021		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.ts	Method	TBLASTX:Soybean
Start	9756	End	11794
GI	none	Score	49
Exons	9756..9791, 9901..9966, 10586..10762, 10642..10722, 10823..11014, 10824..11135, 10825..11136, 10825..11136, 11705..11794		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.tm	Method	TBLASTX:Maize
Start	10576	End	11160
GI	none	Score	72
Exons	10576..10656, 10581..10736, 10583..10783, 10639..10761, 10817..11137, 10818..11138, 10818..11138, 10819..11139, 11122..11160		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.tw	Method	TBLASTX:Wheat
Start	10607	End	11133
GI	none	Score	151
Exons	10607..10762, 10620..10718, 10642..10722, 10831..11133, 10831..10935, 10839..11132		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29

Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.gs	Method	GENSCAN
Start	13105	End	15350
GI	none	Score	.68
Exons	13105..13224, 13272..14001, 14671..15350		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o2.np	Method	AAT/NAP
Start	13131	End	15185
GI	1360141	Score	1435
Exons	13131..14001, 14671..15185		
GI Descrip.	(X97980) protein kinase [Solanum berthaultii]		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o1.ts	Method	TBLASTX:Soybean
Start	13221	End	14750
GI	none	Score	137
Exons	13221..13385, 13231..13371, 13434..13688, 13441..13653, 13827..14006, 13828..14001, 14622..14750		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o1.tc	Method	TBLASTX:Cress
Start	13228	End	15113
GI	none	Score	143
Exons	13228..13368, 13230..13385, 13434..13619, 13434..13652, 13444..13653, 13824..14003, 13834..14028, 14622..15113, 14731..15045		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o1.tw	Method	TBLASTX:Wheat
Start	13230	End	13595
GI	none	Score	126
Exons	13230..13385, 13231..13377, 13431..13580, 13434..13595, 13453..13593		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o1.tm	Method	TBLASTX:Maize
Start	13233	End	13986
GI	none	Score	129
Exons	13233..13385, 13234..13377, 13434..13709, 13453..13689, 13686..13748, 13827..13985, 13831..13986		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o3.gp	Method	AAT/GAP

Start	13794	End	14883
GI	uC-osflcyp017a03b1	Score	810
Exons	13794..14001, 14671..14883		
GI Descrip.	'1360141/emb|CAA66616| 7.0e-63 (X97980) protein kinase [Solanum berthaultii]'		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o3.tm	Method	TBLASTX:Maize
Start	14622	End	15113
GI	none	Score	238
Exons	14622..15113, 14725..15063		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16213	Strand	-
Start	13105	End	15350
Name	OJ990601_03.9A26.C29.o3.ts	Method	TBLASTX:Soybean
Start	14751	End	15113
GI	none	Score	184
Exons	14751..15113, 14752..15036		

Seq. No.	7697	Seq. ID	OJ990601_03.9A26.C30
Gene No.	16214	Strand	-
Start	1027	End	1525
Name	OJ990601_03.9A26.C30.o2.gs	Method	GENSCAN
Start	1027	End	1525
GI	none	Score	.94
Exons	1027..1077, 1193..1234, 1349..1525		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16215	Strand	+
Start	1	End	3644
Name	OJ990601_03.9A26.C31.o1.np	Method	AAT/NAP
Start	1	End	3644
GI	5430752	Score	56
Exons	1..28, 103..184, 731..873, 3505..3644		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16216	Strand	+
Start	5556	End	9919
Name	OJ990601_03.9A26.C31.o1.gp	Method	AAT/GAP
Start	5460	End	9725
GI	97_1.R1084	Score	3795
Exons	5460..5768, 6616..7024, 7131..7264, 7975..8067, 8161..8294, 8382..8457, 8522..8598, 8680..8713, 8799..8948, 9058..9192, 9274..9725		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16216	Strand	+
Start	5556	End	9919
Name	OJ990601_03.9A26.C31.o2.gs	Method	GENSCAN
Start	5556	End	9919
GI	none	Score	.96
Exons	5556..5768, 6616..7024, 7131..7264, 8161..8294, 8382..8457,		

8784..8948, 9866..9919

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16216	Strand	+
Start	5556	End	9919
Name	OJ990601_03.9A26.C31.o2.np	Method	AAT/NAP
Start	5556	End	9342
GI	6331695	Score	2290
Exons	5556..5768, 6616..7024, 7131..7264, 7975..8067, 8161..8294, 8382..8457, 8522..8598, 8680..8713, 8799..8948, 9058..9192, 9274..9342		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16217	Strand	+
Start	14272	End	14408
Name	OJ990601_03.9A26.C31.o4.gp	Method	AAT/GAP
Start	14272	End	14408
GI	23880_4.R1084	Score	139
Exons	14272..14318, 14349..14408		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16218	Strand	+
Start	15922	End	17427
Name	OJ990601_03.9A26.C31.o3.np	Method	AAT/NAP
Start	15922	End	17427
GI	5852093	Score	76
Exons	15922..15949, 17292..17427		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16219	Strand	+
Start	18098	End	21499
Name	OJ990601_03.9A26.C31.o4.np	Method	AAT/NAP
Start	18038	End	19731
GI	6331695	Score	904
Exons	18038..18238, 19106..19514, 19598..19731		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16219	Strand	+
Start	18098	End	21499
Name	OJ990601_03.9A26.C31.o5.np	Method	AAT/NAP
Start	18038	End	21499
GI	6331695	Score	907
Exons	18038..18238, 19106..19514, 19598..19731, 21467..21499		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16219	Strand	+
Start	18098	End	21499
Name	OJ990601_03.9A26.C31.o4.gs	Method	GENSCAN
Start	18098	End	20717
GI	none	Score	.84
Exons	18098..18220, 19106..19257, 19330..19514, 19598..19731,		

20140..20215, 20491..20717

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16219	Strand	+
Start	18098	End	21499
Name	OJ990601_03.9A26.C31.o5.gp	Method	AAT/GAP
Start	19105	End	19774
GI	97_1.R1084	Score	929
Exons	19105..19514, 19598..19774		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16220	Strand	-
Start	10948	End	13254
Name	OJ990601_03.9A26.C31.o2.gp	Method	AAT/GAP
Start	10651	End	10897
GI	none	Score	410
Exons	10651..10897		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16220	Strand	-
Start	10948	End	13254
Name	OJ990601_03.9A26.C31.o3.gp	Method	AAT/GAP
Start	10898	End	13186
GI	90811_1.R1084	Score	924
Exons	10898..11081, 11257..11314, 11397..11424, 11581..11650, 12218..12318, 13102..13186		
GI Descrip.	'2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16220	Strand	-
Start	10948	End	13254
Name	OJ990601_03.9A26.C31.o3.gs	Method	GENSCAN
Start	10948	End	13254
GI	none	Score	.75
Exons	10948..11081, 11257..11368, 11397..11424, 12218..12318, 13102..13254		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o1.ts	Method	TBLASTX:Soybean
Start	6790	End	19735
GI	none	Score	114
Exons	6790..6960, 7172..7264, 7185..7268, 7972..8073, 7980..8069, 7996..8073, 8148..8291, 8152..8301, 8155..8295, 8383..8460, 8383..8460, 8385..8462, 8477..8593, 8519..8599, 8521..8598, 8678..8716, 8798..8944, 8802..8954, 9057..9191, 9058..9192, 9271..9333, 9273..9326, 19361..19450, 19639..19731, 19652..19735		

Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o3.tm	Method	TBLASTX:Maize
Start	7125	End	19731
GI	none	Score	191

Exons	7125..7262, 7126..7263, 7130..7264, 7972..8073, 7974..8069, 7981..8127, 8139..8225, 8155..8226, 19592..19729, 19593..19730, 19596..19727, 19597..19731		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o1.tc	Method	TBLASTX:Cress
Start	7133	End	19734
GI	none	Score	105
Exons	7133..7267, 7972..8073, 7993..8067, 8148..8297, 8155..8295, 8382..8459, 8383..8460, 8519..8599, 8700..8729, 8802..8948, 9058..9192, 19600..19734		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o1.tm	Method	TBLASTX:Maize
Start	8573	End	9418
GI	none	Score	55
Exons	8573..8599, 8662..8718, 8679..8714, 8796..8954, 8797..8946, 8798..8947, 9030..9191, 9044..9190, 9057..9191, 9058..9192, 9109..9201, 9271..9351, 9272..9340, 9273..9353, 9359..9418		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o6.np	Method	AAT/NAP
Start	19408	End	23143
GI	6466937	Score	556
Exons	19408..19463, 20501..20924, 21408..21892, 22360..22810, 23121..23143		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o4.tm	Method	TBLASTX:Maize
Start	20488	End	20866
GI	none	Score	108
Exons	20488..20718, 20490..20684, 20689..20865, 20708..20866		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o5.gs	Method	GENSCAN
Start	21469	End	22776
GI	none	Score	.77
Exons	21469..21680, 21754..21894, 22290..22776		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o5.tm	Method	TBLASTX:Maize
Start	21625	End	21801
GI	none	Score	105

Exons	21625..21717, 21706..21801		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o2.ts	Method	TBLASTX:Soybean
Start	22309	End	22632
GI	none	Score	81
Exons	22309..22632, 22400..22576		
Seq. No.	7698	Seq. ID	OJ990601_03.9A26.C31
Gene No.	16221	Strand	-
Start	19408	End	23143
Name	OJ990601_03.9A26.C31.o2.tm	Method	TBLASTX:Maize
Start	22462	End	22695
GI	none	Score	140
Exons	22462..22695, 22463..22693		
Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o1.gs	Method	GENSCAN
Start	19	End	887
GI	none	Score	.71
Exons	19..124, 322..445, 480..618, 703..824, 878..887		
Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o1.np	Method	AAT/NAP
Start	363	End	2987
GI	6466937	Score	859
Exons	363..834, 1320..2197, 2947..2987		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o2.tm	Method	TBLASTX:Maize
Start	393	End	840
GI	none	Score	198
Exons	393..506, 508..840		
Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o2.gs	Method	GENSCAN
Start	1170	End	2811
GI	none	Score	.65
Exons	1170..1385, 1469..1630, 1693..1965, 2268..2414, 2581..2811		
Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o1.ts	Method	TBLASTX:Soybean
Start	1329	End	1615

GI	none	Score	113
Exons	1329..1436, 1454..1615		

Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o1.tm	Method	TBLASTX:Maize
Start	1619	End	1962
GI	none	Score	151
Exons	1619..1840, 1621..1962		

Seq. No.	7699	Seq. ID	OJ990601_03.9A26.C32
Gene No.	16222	Strand	-
Start	19	End	2987
Name	OJ990601_03.9A26.C32.o1.tw	Method	TBLASTX:Wheat
Start	1654	End	1959
GI	none	Score	120
Exons	1654..1959, 1687..1959		

Seq. No.	7700	Seq. ID	OJ990601_03.9A26.C35
Gene No.	16223	Strand	+
Start	3536	End	4219
Name	OJ990601_03.9A26.C35.o1.gs	Method	GENSCAN
Start	3536	End	4219
GI	none	Score	.84
Exons	3536..3952, 4139..4219		

Seq. No.	7700	Seq. ID	OJ990601_03.9A26.C35
Gene No.	16223	Strand	+
Start	3536	End	4219
Name	OJ990601_03.9A26.C35.o1.gp	Method	AAT/GAP
Start	3539	End	3957
GI	none	Score	797
Exons	3539..3957		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16224	Strand	+
Start	518	End	4317
Name	OJ990601_03.9A26.C36.o1.gs	Method	GENSCAN
Start	518	End	4317
GI	none	Score	.75
Exons	518..667, 751..803, 1212..1320, 2043..2177, 2250..2294, 3044..3231, 3351..3492, 3886..4317		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16224	Strand	+
Start	518	End	4317
Name	OJ990601_03.9A26.C36.o1.np	Method	AAT/NAP
Start	518	End	4311
GI	6714356	Score	1282
Exons	518..667, 751..803, 1212..1320, 2043..2177, 2250..2294, 3044..3231, 3351..3492, 3753..3799, 3886..3977, 4067..4311		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16224	Strand	+
Start	518	End	4317

Name	OJ990601_03.9A26.C36.o1.gp	Method	AAT/GAP
Start	646	End	3423
GI	14216_1.R1084	Score	1123
Exons	646..667, 751..803, 1212..1320, 2043..2177, 2250..2294, 3044..3231, 3351..3423		
GI Descrip.	'3241943 5.0e-93 (AC004625) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16225	Strand	-
Start	4125	End	4604
Name	OJ990601_03.9A26.C36.o2.gp	Method	AAT/GAP
Start	4125	End	4604
GI	none	Score	913
Exons	4125..4604		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o4.tm	Method	TBLASTX:Maize
Start	509	End	667
GI	none	Score	252
Exons	509..667, 511..663		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o4.tc	Method	TBLASTX:Cress
Start	528	End	2192
GI	none	Score	63
Exons	528..629, 530..643, 532..663, 533..664, 535..666, 751..795, 1186..1320, 1210..1320, 1217..1336, 2011..2061, 2026..2163, 2042..2182, 2043..2183, 2043..2192		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o2.tm	Method	TBLASTX:Maize
Start	1212	End	4278
GI	none	Score	194
Exons	1212..1316, 1213..1320, 2042..2182, 2043..2183, 2250..2297, 3041..3229, 3043..3231, 3050..3256, 3343..3489, 3351..3509, 3351..3488, 3355..3489, 3741..3803, 3752..3811, 3753..3800, 3884..3976, 3887..3973, 3892..3978, 4066..4146, 4228..4278		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o1.ts	Method	TBLASTX:Soybean
Start	2102	End	3492
GI	none	Score	115
Exons	2102..2182, 2103..2183, 2247..2297, 2250..2297, 3023..3226, 3041..3229, 3043..3228, 3336..3491, 3348..3485, 3349..3489, 3352..3492		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-

Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o2.tc	Method	TBLASTX:Cress
Start	2247	End	3414
GI	none	Score	71
Exons	2247..2297, 2250..2297, 3015..3224, 3022..3225, 3041..3229, 3042..3224, 3043..3228, 3348..3413, 3349..3414		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o1.tm	Method	TBLASTX:Maize
Start	4971	End	6083
GI	none	Score	223
Exons	4971..5267, 4990..5265, 4994..5284, 5351..5443, 5352..5444, 5353..5445, 5606..5791, 5616..5792, 5620..5811, 5620..5793, 5970..6083, 5974..6081		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o2.np	Method	AAT/NAP
Start	4987	End	7373
GI	123178	Score	1327
Exons	4987..5264, 5353..5443, 5621..5791, 5970..6080, 6156..6215, 6584..6625, 6706..6768, 6876..6947, 7037..7138, 7241..7373		
GI Descrip.	HISTIDINOL DEHYDROGENASE, CHLOROPLAST PRECURSOR (HDH) gi|99844|pir||A39358 histidinol dehydrogenase (EC 1.1.1.23) precursor, chloroplast - cabbage gi|167142 (M60466) histidinol dehydrogenase [Brassica oleracea]		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o2.gs	Method	GENSCAN
Start	4990	End	6947
GI	none	Score	.86
Exons	4990..5264, 5353..5443, 5621..5791, 5970..6080, 6156..6215, 6706..6768, 6876..6947		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o1.tc	Method	TBLASTX:Cress
Start	4991	End	5725
GI	none	Score	259
Exons	4991..5296, 5004..5114, 5005..5265, 5351..5416, 5352..5426, 5606..5725, 5616..5708		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o2.ts	Method	TBLASTX:Soybean
Start	5003	End	7343
GI	none	Score	222
Exons	5003..5266, 5006..5140, 5008..5265, 5107..5268, 5351..5410, 5351..5443, 5352..5441, 5606..5791, 5616..5792, 5621..5794, 5641..5814, 5953..6081, 5970..6083, 5974..6084, 6156..6215,		

6157..6216, 6163..6216, 6568..6663, 6569..6628, 6661..6771,
6707..6769, 6852..6947, 6864..6947, 6874..6948, 7037..7156,
7038..7142, 7241..7342, 7242..7343

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o1.tw	Method	TBLASTX:Wheat
Start	5729	End	6629
GI	none	Score	94
Exons	5729..5797, 5734..5811, 5734..5793, 5970..6083, 5971..6081, 6156..6218, 6156..6215, 6157..6219, 6157..6216, 6569..6625, 6579..6629		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o3.tc	Method	TBLASTX:Cress
Start	6042	End	7156
GI	none	Score	49
Exons	6042..6086, 6043..6078, 6156..6218, 6156..6215, 6157..6219, 6157..6216, 6569..6628, 6570..6626, 6661..6771, 6710..6769, 6855..6947, 6864..6947, 6874..6948, 7037..7138, 7037..7156, 7041..7142		

Seq. No.	7701	Seq. ID	OJ990601_03.9A26.C36
Gene No.	16226	Strand	-
Start	4990	End	7373
Name	OJ990601_03.9A26.C36.o3.tm	Method	TBLASTX:Maize
Start	6156	End	7343
GI	none	Score	71
Exons	6156..6212, 6157..6219, 6157..6216, 6569..6628, 6570..6629, 6670..6783, 6705..6806, 6706..6780, 6707..6781, 6861..6947, 6861..6947, 6868..6948, 6871..6948, 7037..7156, 7038..7142, 7039..7143, 7241..7342, 7242..7343		

Seq. No.	7702	Seq. ID	OJ990601_03.9A26.C37
Gene No.	16227	Strand	-
Start	1	End	729
Name	OJ990601_03.9A26.C37.o1.np	Method	AAT/NAP
Start	1	End	693
GI	3982577	Score	140
Exons	1..31, 162..234, 327..379, 523..693		
GI Descrip.	(AF023141) histidinol dehydrogenase [Thlaspi goesingense]		

Seq. No.	7702	Seq. ID	OJ990601_03.9A26.C37
Gene No.	16227	Strand	-
Start	1	End	729
Name	OJ990601_03.9A26.C37.o1.gs	Method	GENSCAN
Start	162	End	729
GI	none	Score	.67
Exons	162..234, 327..379, 523..729		

Seq. No.	7703	Seq. ID	OJ990601_03.9A26.C38
Gene No.	16228	Strand	+
Start	576	End	1218
Name	OJ990601_03.9A26.C38.o1.gp	Method	AAT/GAP

Start	576	End	1218
GI	4231_1.R1084	Score	1117
Exons	576..1218		
GI Descrip.	'3757521 1.0e-68 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7703	Seq. ID	OJ990601_03.9A26.C38
Gene No.	16229	Strand	-
Start	742	End	1162
Name	OJ990601_03.9A26.C38.o1.gs	Method	GENSCAN
Start	742	End	1146
GI	none	Score	.99
Exons	742..1146		

Seq. No.	7703	Seq. ID	OJ990601_03.9A26.C38
Gene No.	16229	Strand	-
Start	742	End	1162
Name	OJ990601_03.9A26.C38.o1.tm	Method	TBLASTX:Maize
Start	808	End	1162
GI	none	Score	57
Exons	808..948, 821..868, 852..899, 1013..1162, 1024..1155		

Seq. No.	7704	Seq. ID	OJ990601_03.9A26.C40
Gene No.	16230	Strand	+
Start	35	End	1682
Name	OJ990601_03.9A26.C40.o2.np	Method	AAT/NAP
Start	35	End	928
GI	6539570	Score	155
Exons	35..74, 539..712, 875..928		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7704	Seq. ID	OJ990601_03.9A26.C40
Gene No.	16230	Strand	+
Start	35	End	1682
Name	OJ990601_03.9A26.C40.o1.gs	Method	GENSCAN
Start	200	End	1682
GI	none	Score	.41
Exons	200..369, 562..696, 863..935, 1662..1682		

Seq. No.	7704	Seq. ID	OJ990601_03.9A26.C40
Gene No.	16230	Strand	+
Start	35	End	1682
Name	OJ990601_03.9A26.C40.o1.np	Method	AAT/NAP
Start	292	End	370
GI	6630699	Score	77
Exons	292..370		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7704	Seq. ID	OJ990601_03.9A26.C40
Gene No.	16231	Strand	+
Start	2215	End	3151
Name	OJ990601_03.9A26.C40.o3.np	Method	AAT/NAP
Start	2215	End	3151
GI	1173302	Score	73
Exons	2215..2289, 3065..3151		

GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|769732|dbj|BAA04792| (D21251) ribosomal protein S3 [Oryza sativa]		
Seq. No.	7704	Seq. ID	OJ990601_03.9A26.C40
Gene No.	16232	Strand	+
Start	3089	End	3151
Name	OJ990601_03.9A26.C40.o1.gp	Method	AAT/GAP
Start	3089	End	3151
GI	none	Score	126
Exons	3089..3151		
Seq. No.	7705	Seq. ID	OJ990601_03.9A26.C41
Gene No.	16233	Strand	+
Start	144	End	338
Name	OJ990601_03.9A26.C41.o1.gs	Method	GENSCAN
Start	144	End	338
GI	none	Score	.73
Exons	144..338		
Seq. No.	7705	Seq. ID	OJ990601_03.9A26.C41
Gene No.	16234	Strand	-
Start	1	End	333
Name	OJ990601_03.9A26.C41.o1.np	Method	AAT/NAP
Start	1	End	296
GI	3643602	Score	85
Exons	1..22, 91..296		
GI Descrip.	(AC005395) putative aquaporin (tonoplast intrinsic protein) [Arabidopsis thaliana]		
Seq. No.	7705	Seq. ID	OJ990601_03.9A26.C41
Gene No.	16234	Strand	-
Start	1	End	333
Name	OJ990601_03.9A26.C41.o1.gp	Method	AAT/GAP
Start	170	End	333
GI	uC-osflm202100g12b1	Score	330
Exons	170..333		
GI Descrip.	'3643602 1.0e-15 (AC005395) putative tonoplast intrinsic protein [Arabidopsis thaliana]'		
Seq. No.	7706	Seq. ID	OJ990601_03.9A26.C44
Gene No.	16235	Strand	+
Start	1	End	385
Name	OJ990601_03.9A26.C44.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	97_1.R1084	Score	563
Exons	1..299		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	7706	Seq. ID	OJ990601_03.9A26.C44
Gene No.	16235	Strand	+
Start	1	End	385
Name	OJ990601_03.9A26.C44.o1.gs	Method	GENSCAN
Start	112	End	385
GI	none	Score	.46
Exons	112..265, 363..385		
Seq. No.	7706	Seq. ID	OJ990601_03.9A26.C44

Gene No.	16236	Strand	-
Start	1	End	290
Name	OJ990601_03.9A26.C44.o1.np	Method	AAT/NAP
Start	1	End	290
GI	6331695	Score	424
Exons	1..290		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	7707	Seq. ID	OJ990601_03.9A26.C46
Gene No.	16237	Strand	+
Start	72	End	168
Name	OJ990601_03.9A26.C46.o1.gs	Method	GENSCAN
Start	72	End	168
GI	none	Score	.41
Exons	72..168		

Seq. No.	7708	Seq. ID	OJ990701_09.9A01.C3
Gene No.	16238	Strand	+
Start	1	End	734
Name	OJ990701_09.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	734
GI	1628482	Score	301
Exons	1..734		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	7708	Seq. ID	OJ990701_09.9A01.C3
Gene No.	16238	Strand	+
Start	1	End	734
Name	OJ990701_09.9A01.C3.o1.gs	Method	GENSCAN
Start	2	End	676
GI	none	Score	1
Exons	2..676		

Seq. No.	7709	Seq. ID	OJ990701_09.9A01.C6
Gene No.	16239	Strand	+
Start	1149	End	2287
Name	OJ990701_09.9A01.C6.o1.gs	Method	GENSCAN
Start	1149	End	2287
GI	none	Score	.85
Exons	1149..1163, 1904..2287		

Seq. No.	7710	Seq. ID	OJ990701_09.9A01.C7
Gene No.	16240	Strand	+
Start	1	End	3729
Name	OJ990701_09.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	3729
GI	2586123	Score	363
Exons	1..254, 722..828, 3512..3729		
GI Descrip.	(U89511) b-keto acyl reductase [Allium porrum]		

Seq. No.	7710	Seq. ID	OJ990701_09.9A01.C7
Gene No.	16240	Strand	+
Start	1	End	3729
Name	OJ990701_09.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	3669
GI	none	Score	211
Exons	3..257, 4..294, 172..267, 722..793, 723..815, 3406..3435,		

3517..3669

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16241	Strand	+
Start	3299	End	3458
Name	OJ990701_09.9A01.C8.o1.np	Method	AAT/NAP
Start	3299	End	3458
GI	3786005	Score	95
Exons	3299..3458		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16242	Strand	+
Start	6465	End	7993
Name	OJ990701_09.9A01.C8.o2.gs	Method	GENSCAN
Start	6465	End	7993
GI	none	Score	.68
Exons	6465..6637, 6985..7045, 7383..7470, 7863..7993		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	3809	End	4192
GI	none	Score	279
Exons	3809..4192, 3838..4191		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	4470	End	5392
GI	none	Score	245
Exons	4470..4739, 4485..4745, 4493..4753, 4762..4899, 4818..4892, 4955..5392, 4960..5088		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o3.tw	Method	TBLASTX:Wheat
Start	4518	End	4787
GI	none	Score	238
Exons	4518..4760, 4536..4787		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o4.tw	Method	TBLASTX:Wheat
Start	4789	End	5176
GI	none	Score	91
Exons	4789..4905, 4955..5104, 4969..5088, 5096..5176		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o1.ts	Method	TBLASTX:Soybean

Start	5173	End	5557
GI	none	Score	147
Exons	5173..5313, 5174..5386, 5375..5557, 5379..5447		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o2.tw	Method	TBLASTX:Wheat
Start	5179	End	5734
GI	none	Score	243
Exons	5179..5310, 5180..5545, 5330..5485, 5642..5734		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	5405	End	5746
GI	none	Score	161
Exons	5405..5590, 5422..5589, 5576..5746, 5614..5667		

Seq. No.	7711	Seq. ID	OJ990701_09.9A01.C8
Gene No.	16243	Strand	+
Start	8231	End	8447
Name	OJ990701_09.9A01.C8.o3.np	Method	AAT/NAP
Start	8231	End	8447
GI	5295951	Score	203
Exons	8231..8447		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16244	Strand	+
Start	540	End	6374
Name	OJ990701_09.9A01.C9.o1.gs	Method	GENSCAN
Start	540	End	6374
GI	none	Score	.62
Exons	540..843, 1058..1249, 1688..1777, 1889..2051, 4106..4188, 5084..5167, 5647..5820, 5928..6374		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16244	Strand	+
Start	540	End	6374
Name	OJ990701_09.9A01.C9.o1.gp	Method	AAT/GAP
Start	4232	End	4534
GI	61605_3.R1084	Score	455
Exons	4232..4534		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16244	Strand	+
Start	540	End	6374
Name	OJ990701_09.9A01.C9.o2.gp	Method	AAT/GAP
Start	4988	End	5507
GI	uC-osf1M202048c12b1	Score	694
Exons	4988..5507		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16245	Strand	+
Start	8991	End	10799
Name	OJ990701_09.9A01.C9.o2.np	Method	AAT/NAP
Start	8991	End	10799
GI	3386534	Score	131
Exons	8991..9249, 9379..9498, 10783..10799		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16246	Strand	-
Start	4898	End	10858
Name	OJ990701_09.9A01.C9.o1.np	Method	AAT/NAP
Start	4898	End	8842
GI	6063554	Score	451
Exons	4898..5072, 5715..5742, 6081..6303, 6420..6693, 8755..8842		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16246	Strand	-
Start	4898	End	10858
Name	OJ990701_09.9A01.C9.o3.gp	Method	AAT/GAP
Start	6081	End	6424
GI	101153_1.R1084	Score	530
Exons	6081..6424		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16246	Strand	-
Start	4898	End	10858
Name	OJ990701_09.9A01.C9.o3.np	Method	AAT/NAP
Start	6183	End	10858
GI	6063557	Score	271
Exons	6183..6270, 9535..9686, 9936..10124, 10743..10858		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16246	Strand	-
Start	4898	End	10858
Name	OJ990701_09.9A01.C9.o2.gs	Method	GENSCAN
Start	10040	End	10231
GI	none	Score	.81
Exons	10040..10231		

Seq. No.	7712	Seq. ID	OJ990701_09.9A01.C9
Gene No.	16246	Strand	-
Start	4898	End	10858
Name	OJ990701_09.9A01.C9.o4.gp	Method	AAT/GAP
Start	10612	End	10663
GI	uC-osflcyp029a12b1	Score	84
Exons	10612..10663		
GI Descrip.	'3386614 2.0e-47 (AC004665) putative transcription factor SF3		

[Arabidopsis thaliana]'

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16247	Strand	+
Start	465	End	8288
Name	OJ990701_09.9A01.C11.o1.gs	Method	GENSCAN
Start	465	End	8288
GI	none	Score	.63
Exons	465..639, 3275..3344, 3485..3776, 3967..4060, 4822..4929, 5726..5805, 7302..7379, 8128..8288		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16248	Strand	+
Start	9563	End	18642
Name	OJ990701_09.9A01.C11.o1.gp	Method	AAT/GAP
Start	9437	End	9687
GI	4880862	Score	489
Exons	9437..9687		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16248	Strand	+
Start	9563	End	18642
Name	OJ990701_09.9A01.C11.o2.gs	Method	GENSCAN
Start	9563	End	18642
GI	none	Score	.62
Exons	9563..10236, 10354..10423, 10925..11162, 11683..11752, 12207..12266, 12383..12421, 12831..12911, 13692..13780, 13933..14991, 15039..15098, 15346..15545, 16032..16314, 16543..16635, 16808..16997, 17006..17864, 17878..18642		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16248	Strand	+
Start	9563	End	18642
Name	OJ990701_09.9A01.C11.o1.np	Method	AAT/NAP
Start	14142	End	18603
GI	3600044	Score	1980
Exons	14142..14958, 15150..15639, 15667..16562, 16955..18603		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16249	Strand	+
Start	19971	End	22171
Name	OJ990701_09.9A01.C11.o3.gs	Method	GENSCAN
Start	19971	End	22171
GI	none	Score	.46
Exons	19971..20014, 20325..20969, 21689..21761, 21911..22171		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16250	Strand	+
Start	22139	End	27070
Name	OJ990701_09.9A01.C11.o2.np	Method	AAT/NAP
Start	22139	End	27070
GI	6728876	Score	422
Exons	22139..22181, 25982..26511, 26601..26670, 26813..27070		
GI Descrip.	(AC008113) F12A21.12 [Arabidopsis thaliana]		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16250	Strand	+
Start	22139	End	27070
Name	OJ990701_09.9A01.C11.o4.gs	Method	GENSCAN
Start	25844	End	26515
GI	none	Score	.55
Exons	25844..26515		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o5.ts	Method	TBLASTX:Soybean
Start	3243	End	27001
GI	none	Score	81
Exons	3243..3347, 9971..10231, 10039..10221, 10348..10425, 10355..10438, 10985..11041, 11057..11164, 20731..20895, 20875..20976, 21686..21763, 21693..21776, 21971..22027, 22043..22150, 26258..26437, 26417..26509, 26602..26673, 26873..26914, 26951..27001		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	8105	End	8303
GI	none	Score	46
Exons	8105..8140, 8142..8303, 8144..8299		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	9595	End	26338
GI	none	Score	79
Exons	9595..9687, 9614..9694, 9647..9700, 9728..10054, 9731..9922, 9739..9927, 17007..17090, 20452..20472, 20458..20541, 20572..20721, 20575..20679, 20653..20796, 20703..20795, 25904..26161, 25906..26184, 26168..26338, 26168..26287, 26302..26337		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	9725	End	26488
GI	none	Score	169
Exons	9725..9874, 9725..9874, 9739..9882, 9872..10174, 20569..20718, 20689..20946, 20697..20870, 25981..26199, 25997..26200, 26216..26488		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o6.ts	Method	TBLASTX:Soybean
Start	9725	End	26200
GI	none	Score	167
Exons	9725..9868, 9742..9858, 20569..20718, 25978..26199, 25994..26200		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o7.tm	Method	TBLASTX:Maize
Start	14397	End	14708
GI	none	Score	246
Exons	14397..14708, 14495..14620		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o8.tm	Method	TBLASTX:Maize
Start	15408	End	15752
GI	none	Score	169
Exons	15408..15587, 15419..15586, 15420..15608, 15630..15752, 15641..15709		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o4.tw	Method	TBLASTX:Wheat
Start	15414	End	15860
GI	none	Score	82
Exons	15414..15548, 15420..15566, 15610..15657, 15642..15722, 15644..15697, 15729..15860, 15729..15860		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o4.tc	Method	TBLASTX:Cress
Start	15672	End	15956
GI	none	Score	191
Exons	15672..15866, 15677..15865, 15870..15956		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	16046	End	16507
GI	none	Score	100
Exons	16046..16153, 16050..16151, 16152..16502, 16170..16472, 16292..16507		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	16056	End	16517
GI	none	Score	283
Exons	16056..16517		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	16077	End	16544

GI	none	Score	310
Exons	16077..16544, 16184..16525		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	16176	End	16532
GI	none	Score	298
Exons	16176..16532, 16343..16531		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o6.tm	Method	TBLASTX:Maize
Start	17105	End	17351
GI	none	Score	259
Exons	17105..17344, 17106..17351		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	17106	End	17555
GI	5509260	Score	367
Exons	17106..17555, 17195..17332, 17384..17539		
GI Descrip.	-		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o3.tc	Method	TBLASTX:Cress
Start	17165	End	17444
GI	none	Score	249
Exons	17165..17422, 17169..17444		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	17226	End	17771
GI	none	Score	305
Exons	17226..17570, 17243..17323, 17384..17566, 17562..17771		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	17357	End	17804
GI	none	Score	498
Exons	17357..17668, 17358..17804, 17714..17791		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	17781	End	18171

GI	none	Score	104
Exons	17781..17873, 17868..18086, 17914..18171		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	17811	End	18240
GI	none	Score	80
Exons	17811..18083, 17880..18224, 17881..18240		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	17935	End	18621
GI	none	Score	355
Exons	17935..18327, 18141..18251, 18355..18621, 18360..18458		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o5.tm	Method	TBLASTX:Maize
Start	18241	End	18534
GI	none	Score	306
Exons	18241..18534, 18241..18525, 18330..18533		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o5.tw	Method	TBLASTX:Wheat
Start	18385	End	18647
GI	none	Score	180
Exons	18385..18573, 18397..18567, 18414..18647		

Seq. No.	7713	Seq. ID	OJ990701_09.9A01.C11
Gene No.	16251	Strand	-
Start	26785	End	27024
Name	OJ990701_09.9A01.C11.o5.gs	Method	GENSCAN
Start	26785	End	27024
GI	none	Score	.48
Exons	26785..26883, 26888..27024		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16252	Strand	+
Start	1	End	4066
Name	OJ990701_09.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	4066
GI	4680203	Score	1519
Exons	1..1123, 1193..1297, 1457..1681, 1958..2702, 4048..4066		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16252	Strand	+
Start	1	End	4066
Name	OJ990701_09.9A01.C12.o1.gs	Method	GENSCAN
Start	761	End	2908

GI	none	Score	.85
Exons	761..2908		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16253	Strand	+
Start	9740	End	11921
Name	OJ990701_09.9A01.C12.o2.np	Method	AAT/NAP
Start	9740	End	11839
GI	2586127	Score	483
Exons	9740..10404, 11390..11470, 11599..11839		
GI Descrip.	(U89510) b-keto acyl reductase [Hordeum vulgare]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16253	Strand	+
Start	9740	End	11921
Name	OJ990701_09.9A01.C12.o3.gs	Method	GENSCAN
Start	9740	End	11921
GI	none	Score	.62
Exons	9740..10427, 11384..11459, 11576..11921		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16254	Strand	+
Start	17863	End	18508
Name	OJ990701_09.9A01.C12.o3.np	Method	AAT/NAP
Start	17863	End	18508
GI	5932539	Score	322
Exons	17863..17941, 18065..18213, 18289..18508		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16255	Strand	+
Start	29798	End	30177
Name	OJ990701_09.9A01.C12.o6.gs	Method	GENSCAN
Start	29798	End	30177
GI	none	Score	.76
Exons	29798..29890, 29959..30177		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16256	Strand	+
Start	31053	End	33699
Name	OJ990701_09.9A01.C12.o6.np	Method	AAT/NAP
Start	31053	End	33699
GI	6539570	Score	110
Exons	31053..31254, 31414..31485, 33676..33699		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o4.np	Method	AAT/NAP
Start	1	End	37898
GI	5734621	Score	123
Exons	1..34, 6714..6914, 22735..22918, 29804..29935, 37785..37898		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	8	End	592
GI	none	Score	225
Exons	8..298, 64..318, 347..466, 349..453, 437..472, 464..592		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	20	End	303
GI	none	Score	285
Exons	20..298, 43..303		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o2.tc	Method	TBLASTX:Cress
Start	335	End	688
GI	none	Score	255
Exons	335..688, 430..492, 482..592		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o6.tm	Method	TBLASTX:Maize
Start	430	End	661
GI	none	Score	247
Exons	430..651, 458..661, 458..661		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o3.tw	Method	TBLASTX:Wheat
Start	602	End	939
GI	none	Score	51
Exons	602..634, 638..736, 640..738, 782..880, 794..856, 889..939, 890..928		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	1568	End	2776
GI	none	Score	547
Exons	1568..2323, 1816..2097, 2302..2475, 2336..2491, 2480..2584, 2510..2566, 2597..2701, 2602..2694, 2708..2776		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o4.tm	Method	TBLASTX:Maize
Start	1612	End	1927
GI	none	Score	393
Exons	1612..1923, 1613..1927		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	1858	End	2281
GI	none	Score	317
Exons	1858..2097, 1859..2281		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o7.tm	Method	TBLASTX:Maize
Start	2177	End	2472
GI	none	Score	149
Exons	2177..2341, 2351..2470, 2359..2472		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o3.tm	Method	TBLASTX:Maize
Start	9785	End	11468
GI	none	Score	190
Exons	9785..10060, 10135..10410, 10136..10411, 11390..11461, 11391..11468		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o3.tc	Method	TBLASTX:Cress
Start	9887	End	10354
GI	none	Score	171
Exons	9887..10054, 9901..9951, 10022..10354		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o3.ts	Method	TBLASTX:Soybean
Start	10139	End	11775
GI	none	Score	201
Exons	10139..10411, 10180..10401, 11391..11468, 11701..11775		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	18054	End	19231
GI	none	Score	230
Exons	18054..18212, 18058..18213, 18064..18228, 18236..18391, 18247..18450, 18286..18453, 18288..18452, 19082..19231, 19084..19203, 19095..19211		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o2.ts	Method	TBLASTX:Soybean
Start	18187	End	18456

GI	none	Score	41
Exons	18187..18213, 18286..18456, 18315..18455		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o1.gp	Method	AAT/GAP
Start	20735	End	23721
GI	none	Score	837
Exons	20735..21016, 21543..21687, 23690..23721		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o5.gs	Method	GENSCAN
Start	20933	End	28986
GI	none	Score	.96
Exons	20933..21016, 21246..21371, 21543..21687, 23690..23763, 23848..23943, 24335..24414, 24510..25702, 25800..26419, 27009..27127, 27617..27697, 28896..28986		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o2.gp	Method	AAT/GAP
Start	24358	End	24911
GI	none	Score	854
Exons	24358..24414, 24510..24911		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o5.tm	Method	TBLASTX:Maize
Start	24685	End	25004
GI	none	Score	92
Exons	24685..24804, 24689..24853, 24690..24803, 24795..25004, 24807..24977, 24808..24978		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	25215	End	26078
GI	none	Score	101
Exons	25215..25319, 25233..25346, 25363..25452, 25364..25453, 25458..25520, 25460..25522, 25531..25704, 25532..25714, 25794..25868, 25795..25881, 25800..25934, 25814..25933, 25952..26077, 25956..26078		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o5.np	Method	AAT/NAP
Start	28556	End	30288
GI	226743	Score	72
Exons	28556..28633, 29983..30288		
GI Descrip.	sulfated surface glycoprotein SSG185 [Volvox carteri]		

Seq. No.	7714	Seq. ID	OJ990701_09.9A01.C12
Gene No.	16257	Strand	-
Start	1	End	37898
Name	OJ990701_09.9A01.C12.o8.gs	Method	GENSCAN
Start	34597	End	36341
GI	none	Score	.52
Exons	34597..34616, 36275..36341		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16258	Strand	+
Start	2443	End	5908
Name	OJ990701_09.9A01.C13.o1.np	Method	AAT/NAP
Start	2274	End	5891
GI	3618320	Score	1516
Exons	2274..2859, 4091..4294, 4913..5217, 5765..5891		
GI Descrip.	(AB001888) zinc finger protein [Oryza sativa]		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16258	Strand	+
Start	2443	End	5908
Name	OJ990701_09.9A01.C13.o2.gs	Method	GENSCAN
Start	2443	End	5894
GI	none	Score	.85
Exons	2443..2865, 4094..4294, 4913..5217, 5765..5894		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16258	Strand	+
Start	2443	End	5908
Name	OJ990701_09.9A01.C13.o1.gp	Method	AAT/GAP
Start	4183	End	5908
GI	LIB3434-004-P1-K1-G9	Score	861
Exons	4183..4294, 4913..4988, 5071..5217, 5765..5908		
GI Descrip.	'3618320/dbj|BAA33206| 1.0e-31 (AB001888) zinc finger protein [Oryza sativa]'		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16259	Strand	+
Start	6179	End	6514
Name	OJ990701_09.9A01.C13.o2.gp	Method	AAT/GAP
Start	6179	End	6514
GI	none	Score	641
Exons	6179..6514		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16260	Strand	+
Start	10810	End	18253
Name	OJ990701_09.9A01.C13.o3.np	Method	AAT/NAP
Start	10810	End	17217
GI	4544372	Score	575
Exons	10810..10829, 16040..17217		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16260	Strand	+
Start	10810	End	18253

Name	OJ990701_09.9A01.C13.o4.gs	Method	GENSCAN
Start	12518	End	18253
GI	none	Score	.65
Exons	12518..12600, 12855..12948, 14113..14223, 14303..14390, 14991..15047, 15632..15789, 15968..16156, 16237..16865, 16884..17080, 17430..17606, 17880..18253		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16261	Strand	-
Start	59	End	445
Name	OJ990701_09.9A01.C13.o1.gs	Method	GENSCAN
Start	59	End	445
GI	none	Score	.96
Exons	59..445		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16262	Strand	-
Start	6904	End	8649
Name	OJ990701_09.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	2253	End	2724
GI	none	Score	202
Exons	2253..2396, 2267..2395, 2283..2384, 2398..2724, 2400..2645, 2413..2535		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16262	Strand	-
Start	6904	End	8649
Name	OJ990701_09.9A01.C13.o1.tc	Method	TBLASTX:Cress
Start	2261	End	2544
GI	none	Score	200
Exons	2261..2395, 2274..2396, 2283..2375, 2398..2505, 2406..2492, 2413..2544		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16262	Strand	-
Start	6904	End	8649
Name	OJ990701_09.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	2283	End	2598
GI	none	Score	72
Exons	2283..2375, 2286..2387, 2398..2598, 2400..2519, 2416..2535, 2556..2597		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16262	Strand	-
Start	6904	End	8649
Name	OJ990701_09.9A01.C13.o2.tm	Method	TBLASTX:Maize
Start	2724	End	5220
GI	none	Score	92
Exons	2724..2855, 2725..2856, 4126..4275, 4130..4276, 4130..4294, 4910..5116, 4912..5115, 4951..5142, 5179..5217, 5181..5219, 5185..5220		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16262	Strand	-
Start	6904	End	8649
Name	OJ990701_09.9A01.C13.o2.np	Method	AAT/NAP
Start	6904	End	8649

GI	6721512	Score	90
Exons	6904..6933, 8367..8496, 8524..8649		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16263	Strand	
Start	12497	End	12665
Name	OJ990701_09.9A01.C13.o5.tm	Method	TBLASTX:Maize
Start	12497	End	12665
GI	none	Score	192
Exons	12497..12661, 12500..12661, 12567..12665		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16264	Strand	
Start	16240	End	16752
Name	OJ990701_09.9A01.C13.o2.ts	Method	TBLASTX:Soybean
Start	16240	End	16635
GI	none	Score	247
Exons	16240..16635, 16240..16518, 16341..16535		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16264	Strand	
Start	16240	End	16752
Name	OJ990701_09.9A01.C13.o3.tm	Method	TBLASTX:Maize
Start	16249	End	16614
GI	none	Score	80
Exons	16249..16395, 16390..16614		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16264	Strand	
Start	16240	End	16752
Name	OJ990701_09.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	16396	End	16752
GI	none	Score	188
Exons	16396..16752		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16265	Strand	
Start	16978	End	17223
Name	OJ990701_09.9A01.C13.o3.ts	Method	TBLASTX:Soybean
Start	16978	End	17223
GI	none	Score	245
Exons	16978..17223, 17025..17105, 17184..17219		

Seq. No.	7715	Seq. ID	OJ990701_09.9A01.C13
Gene No.	16266	Strand	
Start	17991	End	18178
Name	OJ990701_09.9A01.C13.o4.tm	Method	TBLASTX:Maize
Start	17991	End	18178
GI	none	Score	194
Exons	17991..18137, 17996..18178, 17997..18176		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16267	Strand	+
Start	2893	End	3323
Name	OJ990701_09.9A01.C14.o1.gp	Method	AAT/GAP
Start	2893	End	3323

GI	none	Score	862
Exons	2893..3323		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.gs	Method	GENSCAN
Start	1661	End	9849
GI	none	Score	.75
Exons	1661..1773, 1923..2062, 3363..3553, 4307..4351, 4915..5187, 5300..5468, 5637..5899, 6566..6682, 6772..7055, 7147..7329, 7684..8977, 9790..9849		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.np	Method	AAT/NAP
Start	3344	End	9958
GI	3850588	Score	2460
Exons	3344..3553, 4915..5187, 5300..5468, 5637..5899, 6566..6682, 6772..7055, 7147..7329, 7684..8865, 9933..9958		
GI Descrip.	(AC005278) Contains similarity to gb|AB011110 KIAA0538 protein from Homo sapiens brain and to phospholipid-binding domain C2 PF|00168. ESTs gb|AA585988 and gb|T04384 come from this gene. [Arabidopsis thaliana]		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	3443	End	5182
GI	none	Score	129
Exons	3443..3553, 3444..3560, 3444..3560, 4912..5181, 4915..5181, 4916..5182		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	4988	End	5488
GI	none	Score	143
Exons	4988..5161, 4990..5187, 4991..5167, 5312..5338, 5336..5488		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o3.ts	Method	TBLASTX:Soybean
Start	5053	End	5491
GI	none	Score	76
Exons	5053..5184, 5288..5491, 5328..5471		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o2.gp	Method	AAT/GAP
Start	5133	End	6617
GI	uC-osf1cyp085g04b1	Score	1014

Exons	5133..5187, 5300..5468, 5637..5899, 6566..6617		
GI Descrip.	'3850588 9.0e-66 (AC005278) Contains similarity to gb_AB011110 KIAA0538 protein from Homo sapiens brain and to phospholipid-binding domain C2 PF_00168. ESTs gb_AA585988 and gb_T04384 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o3.tm	Method	TBLASTX:Maize
Start	5351	End	5915
GI	none	Score	47
Exons	5351..5488, 5621..5695, 5632..5682, 5637..5690, 5662..5745, 5693..5767, 5693..5776, 5694..5768, 5774..5905, 5789..5890, 5790..5900, 5802..5915		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	5601	End	7045
GI	none	Score	292
Exons	5601..5903, 5625..5903, 5633..5905, 5803..5904, 6566..6685, 6567..6671, 6575..6685, 6758..7045, 6769..7044		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o1.tc	Method	TBLASTX:Cress
Start	6584	End	7409
GI	none	Score	36
Exons	6584..6622, 6599..6622, 6626..6685, 6635..6685, 6758..7057, 6769..7056, 7143..7409, 7148..7330, 7149..7331		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o4.ts	Method	TBLASTX:Soybean
Start	7143	End	7943
GI	none	Score	182
Exons	7143..7367, 7148..7330, 7673..7858, 7673..7720, 7698..7859, 7778..7936, 7779..7943		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o4.tm	Method	TBLASTX:Maize
Start	7272	End	7840
GI	none	Score	83
Exons	7272..7325, 7274..7330, 7274..7324, 7680..7838, 7682..7840		

Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	7870	End	8084
GI	none	Score	236

Exons	7870..8082, 7871..8083, 7872..8084, 7977..8084		
Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o2.tc	Method	TBLASTX:Cress
Start	7985	End	8291
GI	none	Score	132
Exons	7985..8290, 8034..8291		
Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o2.ts	Method	TBLASTX:Soybean
Start	8009	End	8275
GI	none	Score	212
Exons	8009..8275, 8034..8267		
Seq. No.	7716	Seq. ID	OJ990701_09.9A01.C14
Gene No.	16268	Strand	-
Start	1661	End	9958
Name	OJ990701_09.9A01.C14.o3.gp	Method	AAT/GAP
Start	8132	End	8634
GI	uC-osflcyp122a03b1	Score	958
Exons	8132..8634		
GI Descrip.	'3850588 6.0e-41 (AC005278) Contains similarity to gb_AB011110 KIAA0538 protein from Homo sapiens brain and to phospholipid-binding domain C2 PF_00168. ESTs gb_AA585988 and gb_T04384 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.np	Method	AAT/NAP
Start	3997	End	6251
GI	3878571	Score	182
Exons	3997..4138, 4968..5590, 6230..6251		
GI Descrip.	(Z46381) Weak similarity with the Ysy6 protein (Yeast) (PIR accession number JQ0912); cDNA EST EMBL:D32318 comes from this gene; cDNA EST EMBL:D33688 comes from this gene; cDNA EST EMBL:D34664 comes from this gene; cDNA EST E...		
Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o2.gs	Method	GENSCAN
Start	4027	End	6034
GI	none	Score	.54
Exons	4027..4125, 4949..6034		
Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	4034	End	5144
GI	none	Score	91
Exons	4034..4132, 4039..4131, 4941..5144, 4941..5069, 4949..5128		

Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	4947	End	5516
GI	none	Score	417
Exons	4947..5516, 4948..5355, 4950..5516		

Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.gp	Method	AAT/GAP
Start	4965	End	5617
GI	22738_1.R1084	Score	1219
Exons	4965..5617		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	5205	End	5617
GI	none	Score	314
Exons	5205..5603, 5207..5617		

Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o2.ts	Method	TBLASTX:Soybean
Start	5741	End	5972
GI	none	Score	96
Exons	5741..5968, 5747..5947, 5763..5972		

Seq. No.	7717	Seq. ID	OJ990701_09.9A01.C15
Gene No.	16269	Strand	-
Start	4027	End	6251
Name	OJ990701_09.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	5786	End	6200
GI	none	Score	557
Exons	5786..6172, 5787..6200		

Seq. No.	7718	Seq. ID	OJ990701_09.9A01.C16
Gene No.	16270	Strand	+
Start	34	End	3605
Name	OJ990701_09.9A01.C16.o1.gs	Method	GENSCAN
Start	34	End	3605
GI	none	Score	.44
Exons	34..194, 245..384, 3074..3280, 3565..3605		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16271	Strand	+
Start	706	End	3726
Name	OJ990701_09.9A01.C17.o1.gs	Method	GENSCAN
Start	706	End	3726
GI	none	Score	.6

Exons	706..715, 828..979, 1066..1274, 1362..1455, 1591..1757, 1986..2008, 2614..2760, 3506..3726		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16272	Strand	+
Start	8506	End	18800
Name	OJ990701_09.9A01.C17.o3.np	Method	AAT/NAP
Start	8506	End	18800
GI	1628482	Score	539
Exons	8506..8696, 16231..16820, 17313..17894, 18335..18800		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16272	Strand	+
Start	8506	End	18800
Name	OJ990701_09.9A01.C17.o3.gs	Method	GENSCAN
Start	12787	End	14481
GI	none	Score	.42
Exons	12787..12829, 13297..13497, 13511..13610, 14283..14481		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16272	Strand	+
Start	8506	End	18800
Name	OJ990701_09.9A01.C17.o4.gs	Method	GENSCAN
Start	16023	End	18772
GI	none	Score	.84
Exons	16023..17986, 17998..18772		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16272	Strand	+
Start	8506	End	18800
Name	OJ990701_09.9A01.C17.o4.np	Method	AAT/NAP
Start	16249	End	18800
GI	1628482	Score	540
Exons	16249..16820, 17313..17894, 18335..18800		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16273	Strand	-
Start	5242	End	10358
Name	OJ990701_09.9A01.C17.o2.np	Method	AAT/NAP
Start	5242	End	10358
GI	1628482	Score	892
Exons	5242..5266, 6320..9001, 10338..10358		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o1.tc	Method	TBLASTX:Cress
Start	823	End	1274
GI	none	Score	67
Exons	823..963, 824..976, 826..981, 827..982, 1062..1274, 1063..1272		
Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855

Name	OJ990701_09.9A01.C17.o1.ts	Method	TBLASTX:Soybean
Start	824	End	1157
GI	none	Score	114
Exons	824..976, 825..980, 827..982, 886..981, 1000..1065, 1065..1157, 1066..1152		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o3.tm	Method	TBLASTX:Maize
Start	824	End	982
GI	none	Score	166
Exons	824..979, 825..980, 825..980, 827..982		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o2.ts	Method	TBLASTX:Soybean
Start	1359	End	1701
GI	none	Score	84
Exons	1359..1430, 1359..1457, 1360..1467, 1588..1701, 1590..1700		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o2.tc	Method	TBLASTX:Cress
Start	1588	End	1874
GI	none	Score	263
Exons	1588..1836, 1590..1763, 1642..1767, 1643..1783, 1835..1870, 1836..1874		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o2.tm	Method	TBLASTX:Maize
Start	1737	End	2777
GI	none	Score	40
Exons	1737..1757, 1738..1758, 1833..1991, 1838..2008, 1840..2004, 1841..2005, 2566..2733, 2579..2743, 2582..2743, 2583..2747, 2592..2753, 2742..2777		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o1.tm	Method	TBLASTX:Maize
Start	6342	End	18518
GI	none	Score	97
Exons	6342..6671, 6346..6567, 6595..6618, 6837..7145, 6840..7166, 7020..7196, 7341..7535, 7599..7718, 7686..7748, 7687..7755, 8001..8117, 8008..8106, 8169..8318, 8211..8294, 8311..8364, 8541..8621, 8563..8784, 8685..8888, 8848..8913, 16287..16466, 16778..17029, 17330..17386, 17353..17496, 17358..17480, 17453..17512, 17553..17618, 17555..17608, 17814..17855, 17930..18001, 18307..18360, 18314..18361, 18386..18487, 18430..18477, 18504..18518		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17

Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o1.tw	Method	TBLASTX:Wheat
Start	6495	End	18454
GI	none	Score	62
Exons	6495..6602, 6621..6710, 7002..7130, 7149..7280, 7150..7230, 7581..7706, 7599..7700, 7689..7811, 7702..7758, 8151..8408, 8290..8385, 8529..8570, 8697..8846, 8839..8910, 8850..8888, 16263..16334, 16277..16339, 16322..16453, 16338..16454, 16671..16784, 16703..16789, 17277..17393, 17333..17392, 17792..17854, 17793..17912, 17885..17911, 18290..18364, 18304..18363, 18401..18454		

Seq. No.	7719	Seq. ID	OJ990701_09.9A01.C17
Gene No.	16274	Strand	-
Start	18380	End	19855
Name	OJ990701_09.9A01.C17.o6.np	Method	AAT/NAP
Start	18380	End	19855
GI	5852181	Score	123
Exons	18380..18426, 19592..19855		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	7720	Seq. ID	OJ990701_09.9A01.C21
Gene No.	16275	Strand	-
Start	1	End	665
Name	OJ990701_09.9A01.C21.o1.np	Method	AAT/NAP
Start	1	End	665
GI	4996363	Score	240
Exons	1..44, 276..665		
GI Descrip.	(AB021264) polyprotein [Arabidopsis thaliana]		

Seq. No.	7720	Seq. ID	OJ990701_09.9A01.C21
Gene No.	16275	Strand	-
Start	1	End	665
Name	OJ990701_09.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	3	End	664
GI	none	Score	65
Exons	3..80, 3..119, 7..117, 122..193, 123..191, 168..272, 186..299, 310..579, 362..577, 554..658, 572..664		

Seq. No.	7720	Seq. ID	OJ990701_09.9A01.C21
Gene No.	16275	Strand	-
Start	1	End	665
Name	OJ990701_09.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	3	End	664
GI	none	Score	74
Exons	3..116, 122..199, 195..311, 334..585, 434..559, 581..664		

Seq. No.	7720	Seq. ID	OJ990701_09.9A01.C21
Gene No.	16275	Strand	-
Start	1	End	665
Name	OJ990701_09.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	3	End	664
GI	none	Score	85
Exons	3..125, 7..126, 195..311, 310..540, 368..586, 581..664		

Seq. No.	7720	Seq. ID	OJ990701_09.9A01.C21

Gene No.	16275	Strand	-
Start	1	End	665
Name	OJ990701_09.9A01.C21.o1.gs	Method	GENSCAN
Start	171	End	576
GI	none	Score	.46
Exons	171..242, 265..576		

Seq. No.	7721	Seq. ID	OJ990831_04.9A21.C2
Gene No.	16276	Strand	-
Start	362	End	700
Name	OJ990831_04.9A21.C2.o1.np	Method	AAT/NAP
Start	142	End	700
GI	3877281	Score	206
Exons	142..700		
GI Descrip.	(Z79599) similar to reverse transcriptase [Caenorhabditis elegans]		

Seq. No.	7721	Seq. ID	OJ990831_04.9A21.C2
Gene No.	16276	Strand	-
Start	362	End	700
Name	OJ990831_04.9A21.C2.o1.gs	Method	GENSCAN
Start	362	End	679
GI	none	Score	.76
Exons	362..679		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16277	Strand	+
Start	176	End	5184
Name	OJ990831_04.9A21.C3.o1.np	Method	AAT/NAP
Start	176	End	5184
GI	5042447	Score	679
Exons	176..254, 1016..2044, 5124..5184		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16277	Strand	+
Start	176	End	5184
Name	OJ990831_04.9A21.C3.o1.gs	Method	GENSCAN
Start	1006	End	1988
GI	none	Score	.41
Exons	1006..1218, 1263..1988		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16277	Strand	+
Start	176	End	5184
Name	OJ990831_04.9A21.C3.o2.np	Method	AAT/NAP
Start	2887	End	5097
GI	6063554	Score	146
Exons	2887..3009, 3243..3352, 3404..3606, 4250..4277, 4917..5097		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16278	Strand	-
Start	2903	End	3718
Name	OJ990831_04.9A21.C3.o1.tm	Method	TBLASTX:Maize

Start	1392	End	1727
GI	none	Score	232
Exons	1392..1727		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16278	Strand	-
Start	2903	End	3718
Name	OJ990831_04.9A21.C3.o1.tw	Method	TBLASTX:Wheat
Start	1392	End	1757
GI	none	Score	276
Exons	1392..1757, 1544..1582		

Seq. No.	7722	Seq. ID	OJ990831_04.9A21.C3
Gene No.	16278	Strand	-
Start	2903	End	3718
Name	OJ990831_04.9A21.C3.o2.gs	Method	GENSCAN
Start	2903	End	3718
GI	none	Score	.54
Exons	2903..3463, 3501..3540, 3551..3718		

Seq. No.	7723	Seq. ID	OJ990831_04.9A21.C4
Gene No.	16279	Strand	-
Start	307	End	651
Name	OJ990831_04.9A21.C4.o1.gs	Method	GENSCAN
Start	307	End	651
GI	none	Score	.56
Exons	307..651		

Seq. No.	7724	Seq. ID	OJ990831_04.9A21.C6
Gene No.	16280	Strand	+
Start	44	End	1840
Name	OJ990831_04.9A21.C6.o1.tm	Method	TBLASTX:Maize
Start	25	End	1840
GI	none	Score	117
Exons	25..396, 30..110, 31..390, 168..404, 177..401, 513..578, 514..663, 519..671, 520..588, 1681..1839, 1688..1831, 1691..1840		

Seq. No.	7724	Seq. ID	OJ990831_04.9A21.C6
Gene No.	16280	Strand	+
Start	44	End	1840
Name	OJ990831_04.9A21.C6.o1.gp	Method	AAT/GAP
Start	44	End	1764
GI	none	Score	1112
Exons	44..401, 522..670, 1690..1764		

Seq. No.	7724	Seq. ID	OJ990831_04.9A21.C6
Gene No.	16280	Strand	+
Start	44	End	1840
Name	OJ990831_04.9A21.C6.o1.gs	Method	GENSCAN
Start	84	End	1832
GI	none	Score	.82
Exons	84..401, 522..670, 1690..1832		

Seq. No.	7725	Seq. ID	OJ990831_04.9A21.C7
Gene No.	16281	Strand	+
Start	72	End	597
Name	OJ990831_04.9A21.C7.o1.gp	Method	AAT/GAP

Start	72	End	597
GI	none	Score	946
Exons	72..597		

Seq. No.	7725	Seq. ID	OJ990831_04.9A21.C7
Gene No.	16282	Strand	-
Start	1624	End	1913
Name	OJ990831_04.9A21.C7.o1.np	Method	AAT/NAP
Start	1624	End	1913
GI	4680502	Score	77
Exons	1624..1913		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.gp	Method	AAT/GAP
Start	157	End	499
GI	3760374	Score	633
Exons	157..499		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.gs	Method	GENSCAN
Start	348	End	1453
GI	none	Score	.52
Exons	348..628, 695..1453		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.np	Method	AAT/NAP
Start	362	End	1512
GI	2618699	Score	962
Exons	362..931, 971..1512		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o2.tc	Method	TBLASTX:Cress
Start	383	End	823
GI	none	Score	123
Exons	383..631, 462..629, 728..823, 732..809		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o2.tm	Method	TBLASTX:Maize
Start	390	End	917
GI	none	Score	214
Exons	390..629, 390..575, 401..634, 404..631, 704..916, 705..728, 726..917, 730..900		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-

Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.ts	Method	TBLASTX:Soybean
Start	705	End	1441
GI	none	Score	64
Exons	705..728, 726..806, 728..925, 984..1391, 1010..1441		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.tc	Method	TBLASTX:Cress
Start	890	End	1501
GI	none	Score	255
Exons	890..925, 1013..1501, 1128..1388, 1295..1390		

Seq. No.	7726	Seq. ID	OJ990831_04.9A21.C8
Gene No.	16283	Strand	-
Start	157	End	1512
Name	OJ990831_04.9A21.C8.o1.tm	Method	TBLASTX:Maize
Start	981	End	1444
GI	none	Score	518
Exons	981..1403, 1010..1402, 1345..1416, 1409..1444		

Seq. No.	7727	Seq. ID	OJ990831_04.9A21.C9
Gene No.	16284	Strand	-
Start	42	End	872
Name	OJ990831_04.9A21.C9.o1.gs	Method	GENSCAN
Start	42	End	872
GI	none	Score	.44
Exons	42..316, 376..522, 705..872		

Seq. No.	7727	Seq. ID	OJ990831_04.9A21.C9
Gene No.	16284	Strand	-
Start	42	End	872
Name	OJ990831_04.9A21.C9.o1.tm	Method	TBLASTX:Maize
Start	77	End	355
GI	none	Score	193
Exons	77..103, 78..251, 88..159, 170..343, 308..355, 315..344		

Seq. No.	7728	Seq. ID	OJ990831_04.9A21.C10
Gene No.	16285	Strand	+
Start	441	End	650
Name	OJ990831_04.9A21.C10.o1.gs	Method	GENSCAN
Start	441	End	650
GI	none	Score	.58
Exons	441..650		

Seq. No.	7728	Seq. ID	OJ990831_04.9A21.C10
Gene No.	16286	Strand	-
Start	1	End	701
Name	OJ990831_04.9A21.C10.o1.np	Method	AAT/NAP
Start	1	End	701
GI	5852178	Score	274
Exons	1..77, 302..385, 417..701		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-

Start	277	End	3480
Name	OJ990831_04.9A21.C11.o1.np	Method	AAT/NAP
Start	277	End	3480
GI	4680179	Score	4464
Exons	277..3480		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o6.tw	Method	TBLASTX:Wheat
Start	322	End	654
GI	none	Score	124
Exons	322..651, 374..652, 538..654		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o1.tm	Method	TBLASTX:Maize
Start	517	End	1102
GI	none	Score	110
Exons	517..942, 518..715, 538..780, 782..943, 940..1101, 947..1102		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o1.tw	Method	TBLASTX:Wheat
Start	655	End	1281
GI	none	Score	44
Exons	655..1281, 656..715, 664..1083, 776..1279		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o4.tm	Method	TBLASTX:Maize
Start	1150	End	1438
GI	none	Score	256
Exons	1150..1386, 1154..1381, 1406..1438		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o2.ts	Method	TBLASTX:Soybean
Start	1240	End	1498
GI	none	Score	123
Exons	1240..1383, 1241..1378, 1276..1386, 1400..1498		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o3.tw	Method	TBLASTX:Wheat
Start	1288	End	1825
GI	none	Score	68
Exons	1288..1371, 1288..1383, 1292..1396, 1292..1408, 1400..1825, 1401..1649, 1406..1669		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11

Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o2.tm	Method	TBLASTX:Maize
Start	1853	End	2206
GI	none	Score	203
Exons	1853..2206, 1860..2201		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o2.tw	Method	TBLASTX:Wheat
Start	1853	End	2278
GI	none	Score	208
Exons	1853..2203, 1853..2278, 1860..2276		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o3.ts	Method	TBLASTX:Soybean
Start	2024	End	2272
GI	none	Score	207
Exons	2024..2272		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o5.tm	Method	TBLASTX:Maize
Start	2213	End	2545
GI	none	Score	145
Exons	2213..2545, 2214..2492		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o5.tw	Method	TBLASTX:Wheat
Start	2279	End	2561
GI	none	Score	247
Exons	2279..2542, 2280..2543, 2463..2561		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o1.ts	Method	TBLASTX:Soybean
Start	2294	End	2689
GI	none	Score	179
Exons	2294..2545, 2304..2537, 2324..2650, 2600..2653, 2657..2689, 2657..2689		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o3.tm	Method	TBLASTX:Maize
Start	2600	End	3047
GI	none	Score	69
Exons	2600..3043, 2805..3047		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11

Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o4.tw	Method	TBLASTX:Wheat
Start	2630	End	3113
GI	none	Score	198
Exons	2630..3112, 2633..3001, 2715..3113		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o4.ts	Method	TBLASTX:Soybean
Start	2762	End	3076
GI	none	Score	193
Exons	2762..3076		

Seq. No.	7729	Seq. ID	OJ990831_04.9A21.C11
Gene No.	16287	Strand	-
Start	277	End	3480
Name	OJ990831_04.9A21.C11.o6.tm	Method	TBLASTX:Maize
Start	3050	End	3241
GI	none	Score	97
Exons	3050..3241, 3096..3203		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12
Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o1.np	Method	AAT/NAP
Start	1	End	1043
GI	4680179	Score	859
Exons	1..1043		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12
Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o1.gs	Method	GENSCAN
Start	7	End	1689
GI	none	Score	.78
Exons	7..999, 1411..1689		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12
Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o1.tw	Method	TBLASTX:Wheat
Start	235	End	588
GI	none	Score	83
Exons	235..585, 391..588		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12
Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o1.tm	Method	TBLASTX:Maize
Start	247	End	585
GI	none	Score	248
Exons	247..585		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12

Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o2.tw	Method	TBLASTX:Wheat
Start	637	End	835
GI	none	Score	129
Exons	637..819, 638..835		

Seq. No.	7730	Seq. ID	OJ990831_04.9A21.C12
Gene No.	16288	Strand	-
Start	1	End	1760
Name	OJ990831_04.9A21.C12.o2.np	Method	AAT/NAP
Start	1286	End	1760
GI	4512231	Score	685
Exons	1286..1760		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	7731	Seq. ID	OJ990831_04.9A21.C13
Gene No.	16289	Strand	+
Start	438	End	1142
Name	OJ990831_04.9A21.C13.o1.gs	Method	GENSCAN
Start	438	End	1142
GI	none	Score	.66
Exons	438..519, 979..1142		

Seq. No.	7731	Seq. ID	OJ990831_04.9A21.C13
Gene No.	16290	Strand	-
Start	251	End	424
Name	OJ990831_04.9A21.C13.o1.np	Method	AAT/NAP
Start	251	End	424
GI	6063554	Score	130
Exons	251..424		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16291	Strand	+
Start	1	End	4968
Name	OJ990831_04.9A21.C14.o1.np	Method	AAT/NAP
Start	1	End	2441
GI	6498436	Score	376
Exons	1..68, 1833..2068, 2320..2441		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16291	Strand	+
Start	1	End	4968
Name	OJ990831_04.9A21.C14.o2.np	Method	AAT/NAP
Start	1	End	4968
GI	2746335	Score	32
Exons	1..52, 2725..2832, 4939..4968		
GI Descrip.	(AF037205) RING zinc finger protein [Mus musculus]		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16291	Strand	+
Start	1	End	4968
Name	OJ990831_04.9A21.C14.o1.gs	Method	GENSCAN

Start	732	End	2444
GI	none	Score	.68
Exons	732..815, 865..1050, 1090..1127, 1162..1304, 2320..2444		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16292	Strand	-
Start	7067	End	7331
Name	OJ990831_04.9A21.C14.o1.tm	Method	TBLASTX:Maize
Start	2515	End	3144
GI	none	Score	109
Exons	2515..2613, 2722..2832, 2723..2845, 2724..2834, 3086..3142, 3098..3136, 3100..3144		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16292	Strand	-
Start	7067	End	7331
Name	OJ990831_04.9A21.C14.o2.gs	Method	GENSCAN
Start	7067	End	7279
GI	none	Score	.66
Exons	7067..7279		

Seq. No.	7732	Seq. ID	OJ990831_04.9A21.C14
Gene No.	16292	Strand	-
Start	7067	End	7331
Name	OJ990831_04.9A21.C14.o3.np	Method	AAT/NAP
Start	7070	End	7331
GI	6010777	Score	142
Exons	7070..7331		
GI Descrip.	(AF188832) annexin [Fragaria x ananassa]		

Seq. No.	7733	Seq. ID	OJ990831_04.9A21.C15
Gene No.	16293	Strand	-
Start	1	End	1063
Name	OJ990831_04.9A21.C15.o1.np	Method	AAT/NAP
Start	1	End	631
GI	6010777	Score	289
Exons	1..305, 418..631		
GI Descrip.	(AF188832) annexin [Fragaria x ananassa]		

Seq. No.	7733	Seq. ID	OJ990831_04.9A21.C15
Gene No.	16293	Strand	-
Start	1	End	1063
Name	OJ990831_04.9A21.C15.o1.ts	Method	TBLASTX:Soybean
Start	60	End	564
GI	none	Score	166
Exons	60..308, 61..306, 409..564, 418..564		

Seq. No.	7733	Seq. ID	OJ990831_04.9A21.C15
Gene No.	16293	Strand	-
Start	1	End	1063
Name	OJ990831_04.9A21.C15.o1.tm	Method	TBLASTX:Maize
Start	84	End	564
GI	none	Score	81
Exons	84..308, 85..306, 406..564		

Seq. No.	7733	Seq. ID	OJ990831_04.9A21.C15
Gene No.	16293	Strand	-

Start	1	End	1063
Name	OJ990831_04.9A21.C15.o1.tc	Method	TBLASTX:Cress
Start	85	End	564
GI	none	Score	86
Exons	85..216, 90..308, 418..564		

Seq. No.	7733	Seq. ID	OJ990831_04.9A21.C15
Gene No.	16293	Strand	-
Start	1	End	1063
Name	OJ990831_04.9A21.C15.o1.gs	Method	GENSCAN
Start	87	End	1063
GI	none	Score	.88
Exons	87..305, 418..563, 994..1063		

Seq. No.	7734	Seq. ID	OJ990831_04.9A21.C17
Gene No.	16294	Strand	+
Start	810	End	1081
Name	OJ990831_04.9A21.C17.o1.gs	Method	GENSCAN
Start	810	End	1081
GI	none	Score	.56
Exons	810..1081		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16295	Strand	+
Start	13	End	14430
Name	OJ990831_04.9A21.C19.o1.gs	Method	GENSCAN
Start	13	End	5978
GI	none	Score	.61
Exons	13..24, 704..947, 2582..3157, 3775..3902, 4312..4390, 5065..5978		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16295	Strand	+
Start	13	End	14430
Name	OJ990831_04.9A21.C19.o1.np	Method	AAT/NAP
Start	2502	End	5057
GI	6730668	Score	949
Exons	2502..3157, 3775..3902, 4165..4390, 4774..4901, 4974..5057		
GI Descrip.	(AC007945) F28C11.3 [Arabidopsis thaliana]		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16295	Strand	+
Start	13	End	14430
Name	OJ990831_04.9A21.C19.o2.np	Method	AAT/NAP
Start	2724	End	14430
GI	6721516	Score	331
Exons	2724..2983, 7150..7280, 8614..8728, 9121..9404, 11856..11895, 14289..14430		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16295	Strand	+
Start	13	End	14430
Name	OJ990831_04.9A21.C19.o1.gp	Method	AAT/GAP
Start	3774	End	4400
GI	LIB3432-016-P1-K1-G11	Score	656
Exons	3774..3902, 4165..4400		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16295	Strand	+
Start	13	End	14430
Name	OJ990831_04.9A21.C19.o4.np	Method	AAT/NAP
Start	13387	End	13476
GI	4680183	Score	118
Exons	13387..13476		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16296	Strand	-
Start	7897	End	8466
Name	OJ990831_04.9A21.C19.o2.gp	Method	AAT/GAP
Start	7897	End	8466
GI	4879016	Score	865
Exons	7897..8466		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16297	Strand	-
Start	11293	End	13354
Name	OJ990831_04.9A21.C19.o3.np	Method	AAT/NAP
Start	11293	End	13354
GI	6721561	Score	96
Exons	11293..11324, 13268..13354		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o1.tm	Method	TBLASTX:Maize
Start	2532	End	2922
GI	none	Score	401
Exons	2532..2921, 2533..2922		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o3.tc	Method	TBLASTX:Cress
Start	2764	End	2934
GI	none	Score	188
Exons	2764..2934, 2775..2918		

Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o2.ts	Method	TBLASTX:Soybean
Start	2905	End	3908
GI	none	Score	41

Exons	2905..2952, 2967..3047, 3055..3159, 3066..3176, 3773..3892, 3774..3908		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o2.tm	Method	TBLASTX:Maize
Start	3000	End	4398
GI	none	Score	146
Exons	3000..3140, 3000..3176, 3028..3159, 3773..3904, 3774..3908, 3780..3914, 4158..4391, 4162..4398		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o1.tc	Method	TBLASTX:Cress
Start	3055	End	3910
GI	none	Score	79
Exons	3055..3159, 3763..3828, 3773..3910, 3774..3908		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o1.ts	Method	TBLASTX:Soybean
Start	4168	End	4398
GI	none	Score	295
Exons	4168..4398, 4176..4394		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o2.tc	Method	TBLASTX:Cress
Start	4204	End	4389
GI	none	Score	189
Exons	4204..4389		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o4.tm	Method	TBLASTX:Maize
Start	4926	End	5117
GI	none	Score	186
Exons	4926..5117, 4940..5065		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835
Name	OJ990831_04.9A21.C19.o3.tm	Method	TBLASTX:Maize
Start	5283	End	6000
GI	none	Score	65
Exons	5283..5360, 5525..5566, 5601..5771, 5607..5771, 5611..5775, 5620..5778, 5775..5879, 5849..5893, 5892..5978, 5892..5957, 5905..5958, 5906..5980, 5974..6000		
Seq. No.	7735	Seq. ID	OJ990831_04.9A21.C19
Gene No.	16298	Strand	-
Start	14152	End	14835

Name	OJ990831_04.9A21.C19.o3.gs	Method	GENSCAN
Start	14152	End	14835
GI	none	Score	1
Exons	14152..14676, 14770..14835		

Seq. No.	7736	Seq. ID	OJ990831_04.9A21.C20
Gene No.	16299	Strand	+
Start	1	End	772
Name	OJ990831_04.9A21.C20.o1.np	Method	AAT/NAP
Start	1	End	772
GI	6815109	Score	135
Exons	1..201, 395..772		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7736	Seq. ID	OJ990831_04.9A21.C20
Gene No.	16300	Strand	-
Start	3277	End	6328
Name	OJ990831_04.9A21.C20.o2.np	Method	AAT/NAP
Start	3277	End	6328
GI	5852181	Score	137
Exons	3277..3305, 4549..4709, 6274..6328		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16301	Strand	+
Start	1	End	5025
Name	OJ990831_04.9A21.C22.o1.np	Method	AAT/NAP
Start	1	End	5025
GI	5852175	Score	77
Exons	1..34, 930..1118, 1527..1630, 4969..5025		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16301	Strand	+
Start	1	End	5025
Name	OJ990831_04.9A21.C22.o1.gs	Method	GENSCAN
Start	829	End	1244
GI	none	Score	.66
Exons	829..941, 1041..1244		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16302	Strand	+
Start	9507	End	11100
Name	OJ990831_04.9A21.C22.o3.np	Method	AAT/NAP
Start	9507	End	11100
GI	6721516	Score	126
Exons	9507..9706, 9745..9790, 11002..11100		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o2.gs	Method	GENSCAN
Start	2453	End	11091
GI	none	Score	.55
Exons	2453..3060, 3705..3984, 4069..4193, 5094..5214, 5308..5453, 5533..5747, 6026..6116, 8041..8383, 8803..8886, 9059..9216,		

9714..9744, 10888..11020, 11048..11091

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o4.np	Method	AAT/NAP
Start	6282	End	11042
GI	5257279	Score	106
Exons	6282..6305, 10930..11042		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o1.tm	Method	TBLASTX:Maize
Start	7330	End	8017
GI	none	Score	70
Exons	7330..7452, 7340..8008, 7355..8017, 7500..8015		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o2.np	Method	AAT/NAP
Start	7349	End	9330
GI	4416302	Score	2005
Exons	7349..9330		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o2.ts	Method	TBLASTX:Soybean
Start	7367	End	8008
GI	none	Score	44
Exons	7367..7591, 7503..7583, 7625..7996, 7625..8008, 7632..8003		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o1.tc	Method	TBLASTX:Cress
Start	7370	End	7828
GI	none	Score	69
Exons	7370..7615, 7601..7735, 7739..7828		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o2.tw	Method	TBLASTX:Wheat
Start	7772	End	8209
GI	none	Score	94
Exons	7772..8029, 8060..8209		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o4.tm	Method	TBLASTX:Maize

Start	8050	End	8216
GI	none	Score	89
Exons	8050..8121, 8050..8211, 8054..8212, 8054..8215, 8067..8216		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o2.tm	Method	TBLASTX:Maize
Start	8258	End	8725
GI	none	Score	374
Exons	8258..8725, 8259..8723, 8609..8725		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o1.ts	Method	TBLASTX:Soybean
Start	8385	End	8996
GI	5509260	Score	264
Exons	8385..8729, 8385..8648, 8390..8728, 8719..8901, 8720..8887, 8910..8996		
GI Descrip.	-		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o1.tw	Method	TBLASTX:Wheat
Start	8393	End	8853
GI	none	Score	62
Exons	8393..8569, 8399..8728, 8400..8729, 8615..8737, 8746..8772, 8779..8853		

Seq. No.	7737	Seq. ID	OJ990831_04.9A21.C22
Gene No.	16303	Strand	-
Start	2453	End	11091
Name	OJ990831_04.9A21.C22.o3.tm	Method	TBLASTX:Maize
Start	8728	End	9026
GI	none	Score	113
Exons	8728..8775, 8729..8902, 8764..8901, 8770..8907, 8793..8906, 8897..8989, 8901..8990, 8905..8991, 8907..9026		

Seq. No.	7738	Seq. ID	OJ990831_04.9A21.C23
Gene No.	16304	Strand	-
Start	446	End	691
Name	OJ990831_04.9A21.C23.o1.gs	Method	GENSCAN
Start	446	End	691
GI	none	Score	.54
Exons	446..691		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16305	Strand	-
Start	1	End	991
Name	OJ990831_04.9A21.C24.o1.np	Method	AAT/NAP
Start	1	End	991
GI	4539660	Score	954
Exons	1..991		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o2.tw	Method	TBLASTX:Wheat
Start	28	End	369
GI	none	Score	220
Exons	28..369, 29..355		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o1.tm	Method	TBLASTX:Maize
Start	64	End	555
GI	none	Score	70
Exons	64..369, 167..301, 378..554, 421..555		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o1.ts	Method	TBLASTX:Soybean
Start	107	End	464
GI	none	Score	164
Exons	107..376, 133..378, 363..464, 373..462		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o1.tw	Method	TBLASTX:Wheat
Start	441	End	926
GI	none	Score	80
Exons	441..647, 471..647, 478..657, 646..813, 647..856, 680..814, 846..926		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o2.tm	Method	TBLASTX:Maize
Start	624	End	917
GI	none	Score	71
Exons	624..647, 655..813, 661..783, 665..856, 846..917		

Seq. No.	7739	Seq. ID	OJ990831_04.9A21.C24
Gene No.	16306	Strand	-
Start	1098	End	2286
Name	OJ990831_04.9A21.C24.o2.np	Method	AAT/NAP
Start	1098	End	2286
GI	6815052	Score	923
Exons	1098..1216, 1497..1572, 1653..2286		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7740	Seq. ID	OJ990831_04.9A21.C25
Gene No.	16307	Strand	+
Start	1	End	3937
Name	OJ990831_04.9A21.C25.o1.np	Method	AAT/NAP
Start	1	End	3937
GI	6815052	Score	1389
Exons	1..231, 513..633, 933..1032, 1862..1975, 2800..2914, 2963..3641,		

	3909..3937		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	7740	Seq. ID	OJ990831_04.9A21.C25
Gene No.	16307	Strand	+
Start	1	End	3937
Name	OJ990831_04.9A21.C25.o1.gs	Method	GENSCAN
Start	77	End	3684
GI	none	Score	.45
Exons	77..262, 658..733, 830..1032, 2794..3684		
Seq. No.	7741	Seq. ID	OJ990831_04.9A21.C27
Gene No.	16308	Strand	-
Start	101	End	272
Name	OJ990831_04.9A21.C27.o1.gp	Method	AAT/GAP
Start	101	End	272
GI	LIB3433-026-P1-K1-C1	Score	252
Exons	101..272		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	7741	Seq. ID	OJ990831_04.9A21.C27
Gene No.	16309	Strand	-
Start	569	End	670
Name	OJ990831_04.9A21.C27.o1.gs	Method	GENSCAN
Start	569	End	670
GI	none	Score	.59
Exons	569..670		
Seq. No.	7742	Seq. ID	OJ990831_04.9A21.C29
Gene No.	16310	Strand	-
Start	421	End	649
Name	OJ990831_04.9A21.C29.o1.ts	Method	TBLASTX:Soybean
Start	392	End	628
GI	none	Score	208
Exons	392..625, 421..624, 425..628		
Seq. No.	7742	Seq. ID	OJ990831_04.9A21.C29
Gene No.	16310	Strand	-
Start	421	End	649
Name	OJ990831_04.9A21.C29.o1.gs	Method	GENSCAN
Start	421	End	567
GI	none	Score	.95
Exons	421..567		
Seq. No.	7742	Seq. ID	OJ990831_04.9A21.C29
Gene No.	16310	Strand	-
Start	421	End	649
Name	OJ990831_04.9A21.C29.o1.tm	Method	TBLASTX:Maize
Start	421	End	629
GI	none	Score	226
Exons	421..621, 422..625, 426..629		
Seq. No.	7742	Seq. ID	OJ990831_04.9A21.C29
Gene No.	16310	Strand	-
Start	421	End	649
Name	OJ990831_04.9A21.C29.o1.np	Method	AAT/NAP

Start	449	End	649
GI	2633727	Score	113
Exons	449..649		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.gp	Method	AAT/GAP
Start	1	End	689
GI	559_1.R1084	Score	1150
Exons	1..138, 215..689		
GI Descrip.	'129232/sp|P25777|ORYB_ORYSA 0.0e+00 ORYZAIN BETA CHAIN PRECURSOR >gi_67645_pir__KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice >gi_218183_dbj_BAA14403_ (D90407) oryzain beta precursor [Oryza sativa]'		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.np	Method	AAT/NAP
Start	1	End	689
GI	129232	Score	1095
Exons	1..138, 215..689		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.tm	Method	TBLASTX:Maize
Start	11	End	679
GI	none	Score	70
Exons	11..88, 12..131, 13..138, 13..138, 214..432, 215..433, 486..677, 494..679		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.ts	Method	TBLASTX:Soybean
Start	11	End	676
GI	none	Score	154
Exons	11..52, 13..138, 20..103, 69..122, 193..342, 209..367, 221..364, 367..432, 368..433, 496..600, 497..676, 579..674		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.tc	Method	TBLASTX:Cress
Start	13	End	680
GI	none	Score	157
Exons	13..138, 20..139, 69..149, 214..432, 215..433, 277..441, 503..676, 513..680		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+

Start	1	End	689
Name	OJ990831_04.9A21.C30.o2.tw	Method	TBLASTX:Wheat
Start	13	End	355
GI	none	Score	66
Exons	13..111, 203..283, 257..355, 293..355		

Seq. No.	7743	Seq. ID	OJ990831_04.9A21.C30
Gene No.	16311	Strand	+
Start	1	End	689
Name	OJ990831_04.9A21.C30.o1.tw	Method	TBLASTX:Wheat
Start	516	End	683
GI	none	Score	239
Exons	516..683, 521..682		

Seq. No.	7744	Seq. ID	OJ990831_04.9A21.C31
Gene No.	16312	Strand	-
Start	260	End	717
Name	OJ990831_04.9A21.C31.o1.gs	Method	GENSCAN
Start	260	End	621
GI	none	Score	.53
Exons	260..621		

Seq. No.	7744	Seq. ID	OJ990831_04.9A21.C31
Gene No.	16312	Strand	-
Start	260	End	717
Name	OJ990831_04.9A21.C31.o1.np	Method	AAT/NAP
Start	372	End	717
GI	4584539	Score	133
Exons	372..717		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	7744	Seq. ID	OJ990831_04.9A21.C31
Gene No.	16312	Strand	-
Start	260	End	717
Name	OJ990831_04.9A21.C31.o1.tm	Method	TBLASTX:Maize
Start	386	End	717
GI	none	Score	68
Exons	386..493, 389..493, 565..717, 571..696		

Seq. No.	7744	Seq. ID	OJ990831_04.9A21.C31
Gene No.	16312	Strand	-
Start	260	End	717
Name	OJ990831_04.9A21.C31.o1.ts	Method	TBLASTX:Soybean
Start	395	End	717
GI	none	Score	36
Exons	395..493, 492..542, 503..583, 565..717, 571..693, 578..700		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.np	Method	AAT/NAP
Start	1	End	2406
GI	4680179	Score	3432
Exons	1..2406		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32

Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.gs	Method	GENSCAN
Start	19	End	2409
GI	none	Score	.78
Exons	19..434, 738..1485, 1615..1702, 1772..2409		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.ts	Method	TBLASTX:Soybean
Start	28	End	387
GI	none	Score	453
Exons	28..387, 29..61, 96..386		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o4.tw	Method	TBLASTX:Wheat
Start	100	End	402
GI	none	Score	376
Exons	100..402, 101..181, 102..386		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o4.tm	Method	TBLASTX:Maize
Start	121	End	468
GI	none	Score	338
Exons	121..468, 213..467		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o3.tw	Method	TBLASTX:Wheat
Start	403	End	825
GI	none	Score	581
Exons	403..825, 432..824		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o3.ts	Method	TBLASTX:Soybean
Start	409	End	654
GI	none	Score	203
Exons	409..654, 426..554		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o2.tm	Method	TBLASTX:Maize
Start	474	End	837
GI	none	Score	475
Exons	474..824, 475..828, 475..837		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+

Start	1	End	2409
Name	OJ990831_04.9A21.C32.o2.tw	Method	TBLASTX:Wheat
Start	828	End	1395
GI	none	Score	663
Exons	828..1394, 859..1395		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.tc	Method	TBLASTX:Cress
Start	1054	End	1419
GI	none	Score	37
Exons	1054..1089, 1102..1275, 1276..1419, 1278..1418		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o2.ts	Method	TBLASTX:Soybean
Start	1188	End	1443
GI	none	Score	292
Exons	1188..1442, 1189..1443		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o3.tm	Method	TBLASTX:Maize
Start	1241	End	1533
GI	none	Score	88
Exons	1241..1396, 1242..1529, 1243..1533		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.tw	Method	TBLASTX:Wheat
Start	1402	End	2028
GI	none	Score	688
Exons	1402..2028, 1458..1916, 1774..2025		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o1.tm	Method	TBLASTX:Maize
Start	1581	End	2181
GI	none	Score	103
Exons	1581..1730, 1581..1736, 1582..1743, 1741..2181, 1743..2165		

Seq. No.	7745	Seq. ID	OJ990831_04.9A21.C32
Gene No.	16313	Strand	+
Start	1	End	2409
Name	OJ990831_04.9A21.C32.o5.tw	Method	TBLASTX:Wheat
Start	2028	End	2361
GI	none	Score	320
Exons	2028..2297, 2029..2361, 2032..2319		

Seq. No.	7746	Seq. ID	OJ990831_04.9A21.C33
Gene No.	16314	Strand	+
Start	58	End	464

Name	OJ990831_04.9A21.C33.o1.gs	Method	GENSCAN
Start	58	End	464
GI	none	Score	.87
Exons	58..257, 350..464		

Seq. No.	7746	Seq. ID	OJ990831_04.9A21.C33
Gene No.	16315	Strand	+
Start	1333	End	1714
Name	OJ990831_04.9A21.C33.o1.gp	Method	AAT/GAP
Start	1333	End	1714
GI	uC-osflcyp033a04b1	Score	651
Exons	1333..1714		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7746	Seq. ID	OJ990831_04.9A21.C33
Gene No.	16316	Strand	-
Start	1	End	1621
Name	OJ990831_04.9A21.C33.o1.np	Method	AAT/NAP
Start	1	End	1621
GI	5852180	Score	504
Exons	1..413, 465..583, 1563..1621		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7746	Seq. ID	OJ990831_04.9A21.C33
Gene No.	16317	Strand	-
Start	3763	End	3955
Name	OJ990831_04.9A21.C33.o2.np	Method	AAT/NAP
Start	3763	End	3955
GI	5852181	Score	134
Exons	3763..3955		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o1.gs	Method	GENSCAN
Start	727	End	4715
GI	none	Score	.58
Exons	727..1236, 1830..1936, 1980..2347, 2395..2423, 2652..2803, 2933..3247, 3261..3283, 3304..4715		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o1.gp	Method	AAT/GAP
Start	1093	End	1487
GI	2312718	Score	649
Exons	1093..1487		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o2.gp	Method	AAT/GAP
Start	1663	End	2015

GI	25792_1.R1084	Score	649
Exons	1663..2015		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o2.np	Method	AAT/NAP
Start	2649	End	4750
GI	4680179	Score	1860
Exons	2649..3731, 3765..4750		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o2.tw	Method	TBLASTX:Wheat
Start	2885	End	3245
GI	none	Score	276
Exons	2885..3244, 2886..3245		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o3.tm	Method	TBLASTX:Maize
Start	3126	End	3431
GI	none	Score	183
Exons	3126..3431, 3140..3256		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o2.tm	Method	TBLASTX:Maize
Start	3756	End	4111
GI	none	Score	186
Exons	3756..4109, 3842..3925, 4046..4111		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o3.tw	Method	TBLASTX:Wheat
Start	3791	End	4160
GI	none	Score	162
Exons	3791..4000, 3792..4001, 4046..4159, 4047..4160		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750
Name	OJ990831_04.9A21.C34.o1.tw	Method	TBLASTX:Wheat
Start	4325	End	4745
GI	none	Score	52
Exons	4325..4744, 4329..4379, 4434..4745, 4446..4745		

Seq. No.	7747	Seq. ID	OJ990831_04.9A21.C34
Gene No.	16318	Strand	+
Start	727	End	4750

Name	OJ990831_04.9A21.C34.o1.tm	Method	TBLASTX:Maize
Start	4434	End	4745
GI	none	Score	289
Exons	4434..4745, 4473..4652, 4664..4744		

Seq. No.	7748	Seq. ID	OJ990831_04.9A21.C35
Gene No.	16319	Strand	-
Start	521	End	559
Name	OJ990831_04.9A21.C35.o1.tm	Method	TBLASTX:Maize
Start	330	End	559
GI	none	Score	254
Exons	330..554, 337..555, 338..559		

Seq. No.	7748	Seq. ID	OJ990831_04.9A21.C35
Gene No.	16319	Strand	-
Start	521	End	559
Name	OJ990831_04.9A21.C35.o1.tc	Method	TBLASTX:Cress
Start	336	End	550
GI	none	Score	147
Exons	336..548, 337..549, 338..547, 341..550		

Seq. No.	7748	Seq. ID	OJ990831_04.9A21.C35
Gene No.	16319	Strand	-
Start	521	End	559
Name	OJ990831_04.9A21.C35.o1.ts	Method	TBLASTX:Soybean
Start	336	End	555
GI	none	Score	105
Exons	336..488, 337..510, 338..508, 485..550, 493..555		

Seq. No.	7748	Seq. ID	OJ990831_04.9A21.C35
Gene No.	16319	Strand	-
Start	521	End	559
Name	OJ990831_04.9A21.C35.o1.gs	Method	GENSCAN
Start	521	End	552
GI	none	Score	.49
Exons	521..552		

Seq. No.	7749	Seq. ID	OJ990831_04.9A21.C36
Gene No.	16320	Strand	-
Start	120	End	162
Name	OJ990831_04.9A21.C36.o1.gs	Method	GENSCAN
Start	120	End	162
GI	none	Score	.5
Exons	120..162		

Seq. No.	7750	Seq. ID	OJ990831_04.9A21.C38
Gene No.	16321	Strand	-
Start	345	End	722
Name	OJ990831_04.9A21.C38.o1.tm	Method	TBLASTX:Maize
Start	323	End	722
GI	none	Score	55
Exons	323..349, 343..417, 345..431, 365..418, 366..431, 430..474, 444..548, 545..712, 548..712, 552..722, 552..722		

Seq. No.	7750	Seq. ID	OJ990831_04.9A21.C38
Gene No.	16321	Strand	-
Start	345	End	722

Name	OJ990831_04.9A21.C38.o1.gs	Method	GENSCAN
Start	345	End	671
GI	none	Score	.49
Exons	345..671		

Seq. No.	7751	Seq. ID	OJ990831_04.9A21.C39
Gene No.	16322	Strand	-
Start	200	End	507
Name	OJ990831_04.9A21.C39.o1.gs	Method	GENSCAN
Start	200	End	507
GI	none	Score	.46
Exons	200..507		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40
Gene No.	16323	Strand	-
Start	206	End	2171
Name	OJ990831_04.9A21.C40.o1.gs	Method	GENSCAN
Start	206	End	2171
GI	none	Score	.79
Exons	206..575, 1470..1619, 1794..2062, 2075..2171		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40
Gene No.	16324	Strand	-
Start	2180	End	5292
Name	OJ990831_04.9A21.C40.o1.tm	Method	TBLASTX:Maize
Start	205	End	1901
GI	none	Score	265
Exons	205..474, 206..568, 207..578, 207..578, 1788..1844, 1792..1845, 1857..1901		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40
Gene No.	16324	Strand	-
Start	2180	End	5292
Name	OJ990831_04.9A21.C40.o1.np	Method	AAT/NAP
Start	2180	End	4094
GI	4585884	Score	191
Exons	2180..2199, 3367..3655, 3761..4094		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40
Gene No.	16324	Strand	-
Start	2180	End	5292
Name	OJ990831_04.9A21.C40.o2.gs	Method	GENSCAN
Start	2830	End	4971
GI	none	Score	.88
Exons	2830..2925, 3248..3435, 3563..3655, 3761..4113, 4187..4215, 4323..4472, 4587..4711, 4927..4971		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40
Gene No.	16324	Strand	-
Start	2180	End	5292
Name	OJ990831_04.9A21.C40.o1.ts	Method	TBLASTX:Soybean
Start	3552	End	3983
GI	none	Score	159
Exons	3552..3656, 3753..3983		

Seq. No.	7752	Seq. ID	OJ990831_04.9A21.C40

Gene No.	16324	Strand	-
Start	2180	End	5292
Name	OJ990831_04.9A21.C40.o2.np	Method	AAT/NAP
Start	4853	End	5292
GI	6815052	Score	198
Exons	4853..4971, 5250..5292		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7753	Seq. ID	OJ990831_04.9A21.C41
Gene No.	16325	Strand	+
Start	1428	End	7963
Name	OJ990831_04.9A21.C41.o4.np	Method	AAT/NAP
Start	1428	End	7963
GI	6063554	Score	148
Exons	1428..1492, 6401..6637, 6756..6779, 7789..7963		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7753	Seq. ID	OJ990831_04.9A21.C41
Gene No.	16326	Strand	-
Start	1	End	6765
Name	OJ990831_04.9A21.C41.o1.np	Method	AAT/NAP
Start	1	End	4093
GI	6815052	Score	878
Exons	1..120, 196..694, 743..900, 1603..1691, 2568..2626, 2760..2800, 2989..3106, 3386..3468, 3947..4093		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7753	Seq. ID	OJ990831_04.9A21.C41
Gene No.	16326	Strand	-
Start	1	End	6765
Name	OJ990831_04.9A21.C41.o1.gs	Method	GENSCAN
Start	439	End	6765
GI	none	Score	.47
Exons	439..696, 748..993, 1070..1107, 1375..1466, 1622..1722, 3062..3106, 3896..4058, 5293..5420, 6416..6620, 6643..6765		

Seq. No.	7753	Seq. ID	OJ990831_04.9A21.C41
Gene No.	16326	Strand	-
Start	1	End	6765
Name	OJ990831_04.9A21.C41.o2.np	Method	AAT/NAP
Start	3286	End	6615
GI	6721516	Score	603
Exons	3286..3433, 3892..4259, 4674..4914, 6573..6615		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7754	Seq. ID	OJ990831_04.9A21.C42
Gene No.	16327	Strand	+
Start	2497	End	3158
Name	OJ990831_04.9A21.C42.o2.gs	Method	GENSCAN
Start	2497	End	3138
GI	none	Score	.88
Exons	2497..3138		

Seq. No.	7754	Seq. ID	OJ990831_04.9A21.C42
Gene No.	16327	Strand	+

Start	2497	End	3158
Name	OJ990831_04.9A21.C42.o1.np	Method	AAT/NAP
Start	2550	End	3158
GI	4417306	Score	233
Exons	2550..3158		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	7754	Seq. ID	OJ990831_04.9A21.C42
Gene No.	16327	Strand	+
Start	2497	End	3158
Name	OJ990831_04.9A21.C42.o1.tw	Method	TBLASTX:Wheat
Start	2803	End	3129
GI	none	Score	108
Exons	2803..2928, 2935..3129		

Seq. No.	7755	Seq. ID	OJ990831_04.9A21.C43
Gene No.	16328	Strand	-
Start	178	End	1039
Name	OJ990831_04.9A21.C43.o1.np	Method	AAT/NAP
Start	178	End	1039
GI	4680186	Score	75
Exons	178..319, 1021..1039		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7755	Seq. ID	OJ990831_04.9A21.C43
Gene No.	16328	Strand	-
Start	178	End	1039
Name	OJ990831_04.9A21.C43.o1.gs	Method	GENSCAN
Start	647	End	718
GI	none	Score	.76
Exons	647..718		

Seq. No.	7756	Seq. ID	OJ990831_04.9A21.C44
Gene No.	16329	Strand	+
Start	772	End	2483
Name	OJ990831_04.9A21.C44.o1.gs	Method	GENSCAN
Start	772	End	2483
GI	none	Score	.41
Exons	772..1093, 2185..2483		

Seq. No.	7756	Seq. ID	OJ990831_04.9A21.C44
Gene No.	16330	Strand	+
Start	2882	End	3088
Name	OJ990831_04.9A21.C44.o1.np	Method	AAT/NAP
Start	2882	End	3088
GI	6466937	Score	112
Exons	2882..3088		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16331	Strand	+
Start	1	End	119
Name	OJ990831_04.9A21.C45.o1.np	Method	AAT/NAP
Start	1	End	119
GI	6466937	Score	91

Exons	1..119		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16332	Strand	-
Start	1000	End	4564
Name	OJ990831_04.9A21.C45.o1.gp	Method	AAT/GAP
Start	801	End	1345
GI	none	Score	976
Exons	801..1345		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16332	Strand	-
Start	1000	End	4564
Name	OJ990831_04.9A21.C45.o1.gs	Method	GENSCAN
Start	1000	End	4383
GI	none	Score	.97
Exons	1000..1436, 2560..2675, 2907..3351, 4044..4383		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16332	Strand	-
Start	1000	End	4564
Name	OJ990831_04.9A21.C45.o2.gp	Method	AAT/GAP
Start	1310	End	4078
GI	15192_1.R1084	Score	1303
Exons	1310..1436, 2560..2675, 2920..3351, 4044..4078		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16332	Strand	-
Start	1000	End	4564
Name	OJ990831_04.9A21.C45.o3.gp	Method	AAT/GAP
Start	4236	End	4564
GI	5038612	Score	650
Exons	4236..4564		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16333	Strand	-
Start	5705	End	6940
Name	OJ990831_04.9A21.C45.o1.tm	Method	TBLASTX:Maize
Start	976	End	3347
GI	none	Score	334
Exons	976..1263, 995..1261, 1240..1437, 1250..1438, 1250..1450, 1266..1439, 2569..2655, 2573..2677, 2573..2683, 2575..2679, 2906..3346, 2906..3346, 2907..3347		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16333	Strand	-
Start	5705	End	6940
Name	OJ990831_04.9A21.C45.o1.tc	Method	TBLASTX:Cress
Start	1019	End	1290
GI	none	Score	209
Exons	1019..1288, 1030..1290, 1031..1288		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45

Gene No.	16333	Strand	-
Start	5705	End	6940
Name	OJ990831_04.9A21.C45.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	2675
GI	none	Score	302
Exons	1030..1350, 1049..1351, 1107..1388, 1123..1398, 1345..1437, 1346..1438, 2558..2671, 2558..2671, 2580..2675		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16333	Strand	-
Start	5705	End	6940
Name	OJ990831_04.9A21.C45.o2.ts	Method	TBLASTX:Soybean
Start	3095	End	3347
GI	none	Score	333
Exons	3095..3346, 3096..3347, 3114..3347		

Seq. No.	7757	Seq. ID	OJ990831_04.9A21.C45
Gene No.	16333	Strand	-
Start	5705	End	6940
Name	OJ990831_04.9A21.C45.o2.gs	Method	GENSCAN
Start	5705	End	6940
GI	none	Score	.86
Exons	5705..5814, 6874..6940		

Seq. No.	7758	Seq. ID	OJ990831_04.9A21.C46
Gene No.	16334	Strand	-
Start	526	End	1220
Name	OJ990831_04.9A21.C46.o1.gs	Method	GENSCAN
Start	526	End	1220
GI	none	Score	.72
Exons	526..569, 1136..1220		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o1.np	Method	AAT/NAP
Start	149	End	1301
GI	4680179	Score	988
Exons	149..1301		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o2.tw	Method	TBLASTX:Wheat
Start	194	End	520
GI	none	Score	64
Exons	194..520, 390..515		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o1.gs	Method	GENSCAN
Start	212	End	1279
GI	none	Score	.43
Exons	212..837, 1273..1279		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o1.tm	Method	TBLASTX:Maize
Start	434	End	863
GI	none	Score	205
Exons	434..862, 435..617, 672..863		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o1.tw	Method	TBLASTX:Wheat
Start	527	End	1117
GI	none	Score	79
Exons	527..862, 528..617, 746..862, 947..1117, 960..1112	756..875, 861..938, 862..930,	

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o1.ts	Method	TBLASTX:Soybean
Start	965	End	1290
GI	none	Score	57
Exons	965..1156, 966..1037, 1159..1290, 1160..1279		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o2.tm	Method	TBLASTX:Maize
Start	992	End	1273
GI	none	Score	67
Exons	992..1147, 995..1132, 1147..1272, 1160..1273		

Seq. No.	7759	Seq. ID	OJ990831_04.9A21.C47
Gene No.	16335	Strand	-
Start	212	End	1301
Name	OJ990831_04.9A21.C47.o3.tw	Method	TBLASTX:Wheat
Start	1156	End	1299
GI	none	Score	103
Exons	1156..1299, 1160..1288		

Seq. No.	7760	Seq. ID	OJ990831_04.9A21.C50
Gene No.	16336	Strand	+
Start	1012	End	2406
Name	OJ990831_04.9A21.C50.o1.gs	Method	GENSCAN
Start	1012	End	2327
GI	none	Score	.55
Exons	1012..1218, 1330..1608, 1872..1969, 2120..2327		

Seq. No.	7760	Seq. ID	OJ990831_04.9A21.C50
Gene No.	16336	Strand	+
Start	1012	End	2406
Name	OJ990831_04.9A21.C50.o1.np	Method	AAT/NAP
Start	1238	End	2406
GI	4417306	Score	195
Exons	1238..1645, 2343..2406		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein		

[Arabidopsis thaliana]

Seq. No.	7761	Seq. ID	OJ990831_04.9A21.C51
Gene No.	16337	Strand	+
Start	2960	End	3656
Name	OJ990831_04.9A21.C51.o1.np	Method	AAT/NAP
Start	2960	End	3656
GI	6815052	Score	96
Exons	2960..3140, 3537..3656		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7761	Seq. ID	OJ990831_04.9A21.C51
Gene No.	16338	Strand	-
Start	2944	End	3410
Name	OJ990831_04.9A21.C51.o2.gs	Method	GENSCAN
Start	2944	End	3410
GI	none	Score	.71
Exons	2944..3144, 3295..3410		

Seq. No.	7762	Seq. ID	OJ990831_04.9A21.C52
Gene No.	16339	Strand	+
Start	1	End	1732
Name	OJ990831_04.9A21.C52.o2.np	Method	AAT/NAP
Start	1	End	1686
GI	6815052	Score	409
Exons	1..54, 981..1147, 1229..1299, 1566..1686		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7762	Seq. ID	OJ990831_04.9A21.C52
Gene No.	16339	Strand	+
Start	1	End	1732
Name	OJ990831_04.9A21.C52.o1.gs	Method	GENSCAN
Start	990	End	1732
GI	none	Score	.55
Exons	990..1239, 1566..1732		

Seq. No.	7762	Seq. ID	OJ990831_04.9A21.C52
Gene No.	16340	Strand	-
Start	1	End	2297
Name	OJ990831_04.9A21.C52.o1.np	Method	AAT/NAP
Start	1	End	2297
GI	6815052	Score	733
Exons	1..519, 568..760, 2200..2297		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7763	Seq. ID	OJ990531_44.9B05.C1
Gene No.	16341	Strand	-
Start	396	End	499
Name	OJ990531_44.9B05.C1.o1.gs	Method	GENSCAN
Start	396	End	499
GI	none	Score	.41
Exons	396..499		

Seq. No.	7764	Seq. ID	OJ990531_44.9B05.C2
Gene No.	16342	Strand	+
Start	400	End	550
Name	OJ990531_44.9B05.C2.o1.gs	Method	GENSCAN

Start	400	End	550
GI	none	Score	.61
Exons	400..550		

Seq. No.	7764	Seq. ID	OJ990531_44.9B05.C2
Gene No.	16343	Strand	-
Start	1	End	711
Name	OJ990531_44.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	711
GI	6633833	Score	88
Exons	1..66, 481..711		
GI Descrip.	(AC009519) F1N19.4 [Arabidopsis thaliana]		

Seq. No.	7765	Seq. ID	OJ990531_44.9B05.C4
Gene No.	16344	Strand	-
Start	28	End	2821
Name	OJ990531_44.9B05.C4.o1.gs	Method	GENSCAN
Start	28	End	2821
GI	none	Score	.57
Exons	28..127, 250..358, 931..1016, 1151..1254, 1941..2432, 2618..2821		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	6793
GI	6466937	Score	1555
Exons	1..61, 1608..5010, 6741..6793		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o2.gs	Method	GENSCAN
Start	1579	End	15113
GI	none	Score	.62
Exons	1579..2142, 2209..2550, 2659..2856, 3009..3160, 3251..3825, 3906..4495, 4556..4747, 4912..5076, 5131..5333, 6198..6322, 7367..7416, 11405..11637, 12220..12356, 13306..13374, 13528..13605, 13659..14002, 15015..15113		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	1618	End	2148
GI	none	Score	195
Exons	1618..2148, 1625..2077		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	1621	End	1968
GI	none	Score	226
Exons	1621..1968		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	1816	End	2155
GI	none	Score	107
Exons	1816..2136, 1817..2155		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o6.tm	Method	TBLASTX:Maize
Start	2182	End	2527
GI	none	Score	37
Exons	2182..2526, 2285..2341, 2375..2527		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	2623	End	3158
GI	none	Score	89
Exons	2623..2838, 2635..2874, 2684..2875, 2913..3158, 2944..3138		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	2629	End	2875
GI	none	Score	82
Exons	2629..2874, 2726..2875		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	2785	End	3182
GI	none	Score	233
Exons	2785..2877, 2904..3182		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	2904	End	3245
GI	none	Score	95
Exons	2904..3245, 2965..3126		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	3177	End	3650
GI	none	Score	75
Exons	3177..3461, 3271..3456, 3447..3650, 3450..3638, 3454..3639		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	3231	End	3674
GI	none	Score	73
Exons	3231..3455, 3276..3443, 3447..3674, 3450..3557		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o5.tm	Method	TBLASTX:Maize
Start	4305	End	4636
GI	none	Score	103
Exons	4305..4439, 4313..4453, 4541..4636, 4565..4636		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	4786	End	5064
GI	none	Score	132
Exons	4786..5064, 4787..5008, 4789..5055		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o4.np	Method	AAT/NAP
Start	12126	End	15422
GI	6063554	Score	276
Exons	12126..12295, 12995..13025, 13670..13809, 13962..14040, 14101..14374, 15393..15422		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7766	Seq. ID	OJ990531_44.9B05.C5
Gene No.	16345	Strand	-
Start	1	End	15422
Name	OJ990531_44.9B05.C5.o2.gp	Method	AAT/GAP
Start	12650	End	12736
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	12650..12736		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16346	Strand	+
Start	1420	End	1498
Name	OJ990531_44.9B05.C6.o1.gp	Method	AAT/GAP
Start	1420	End	1498
GI	38012_1.R1084	Score	95
Exons	1420..1498		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16347	Strand	+
Start	2073	End	2531
Name	OJ990531_44.9B05.C6.o2.gp	Method	AAT/GAP
Start	2073	End	2531
GI	27195_1.R1084	Score	666
Exons	2073..2323, 2424..2531		
GI Descrip.	'3738326 4.0e-09 (AC005170) putative nodulin [Arabidopsis thaliana]'		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16348	Strand	+
Start	15637	End	23709
Name	OJ990531_44.9B05.C6.o2.np	Method	AAT/NAP
Start	15637	End	16832
GI	4680185	Score	203
Exons	15637..15749, 16185..16276, 16594..16832		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16348	Strand	+
Start	15637	End	23709
Name	OJ990531_44.9B05.C6.o3.gs	Method	GENSCAN
Start	16098	End	23709
GI	none	Score	.57
Exons	16098..16192, 16248..16443, 16474..16651, 16663..16823, 17864..18131, 18898..18918, 19564..19751, 20916..21396, 21669..21758, 21882..22066, 22323..22524, 22753..22872, 23398..23514, 23600..23709		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16349	Strand	-
Start	11366	End	15920
Name	OJ990531_44.9B05.C6.o1.np	Method	AAT/NAP
Start	11366	End	15920
GI	4680179	Score	5197
Exons	11366..12307, 12341..14798, 14832..15920		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16349	Strand	-
Start	11366	End	15920
Name	OJ990531_44.9B05.C6.o3.gp	Method	AAT/GAP
Start	13005	End	13629
GI	3548944	Score	1089
Exons	13005..13629		
GI Descrip.	4512237/dbj|BAA75235.1| 2.0e-89 (AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16350	Strand	-
Start	23028	End	23621
Name	OJ990531_44.9B05.C6.o4.gp	Method	AAT/GAP
Start	23028	End	23621
GI	3761363	Score	855
Exons	23028..23621		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16351	Strand	-
Start	23580	End	29690
Name	OJ990531_44.9B05.C6.o3.np	Method	AAT/NAP
Start	23580	End	29690
GI	6063554	Score	204
Exons	23580..23753, 24389..24418, 25676..25891, 26181..26375, 29665..29690		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16351	Strand	-
Start	23580	End	29690
Name	OJ990531_44.9B05.C6.o4.gs	Method	GENSCAN
Start	25240	End	29088
GI	none	Score	.7
Exons	25240..25392, 25489..25558, 25717..26039, 27084..27104, 28402..28535, 28600..28881, 29016..29088		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o6.tw	Method	TBLASTX:Wheat
Start	11411	End	11744
GI	none	Score	137
Exons	11411..11743, 11475..11744		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	11612	End	12190
GI	none	Score	177
Exons	11612..12031, 11616..12026, 12029..12190, 12036..12182		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	11744	End	12370
GI	none	Score	81
Exons	11744..12370, 11747..11998, 11865..12314		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o7.tm	Method	TBLASTX:Maize
Start	12191	End	12341
GI	none	Score	75
Exons	12191..12340, 12219..12341		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-

Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	12344	End	12598
GI	none	Score	216
Exons	12344..12598, 12354..12596		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	12362	End	12622
GI	none	Score	159
Exons	12362..12622, 12363..12617		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	12410	End	12988
GI	none	Score	234
Exons	12410..12988, 12411..12668, 12416..12877, 12720..12974		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	12965	End	13331
GI	none	Score	165
Exons	12965..13330, 12977..13330, 12981..13331		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	12989	End	13402
GI	none	Score	337
Exons	12989..13402, 12990..13355		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	13151	End	13393
GI	none	Score	81
Exons	13151..13393, 13152..13379		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	13367	End	13867
GI	none	Score	70
Exons	13367..13681, 13376..13519, 13688..13867, 13743..13859		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811

Name	OJ990531_44.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	13403	End	13652
GI	none	Score	215
Exons	13403..13651, 13419..13652		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	13418	End	13813
GI	none	Score	188
Exons	13418..13777, 13419..13694, 13743..13775, 13781..13813		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	13655	End	14017
GI	none	Score	116
Exons	13655..13849, 13657..13845, 13665..13874, 13674..13868, 13679..13876, 13880..13963, 13884..13964, 13946..14017		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o8.tw	Method	TBLASTX:Wheat
Start	14352	End	14772
GI	none	Score	70
Exons	14352..14516, 14422..14517, 14435..14530, 14562..14771, 14629..14772		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o6.tm	Method	TBLASTX:Maize
Start	14452	End	14804
GI	none	Score	50
Exons	14452..14544, 14454..14804, 14569..14730		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	15129	End	15434
GI	none	Score	81
Exons	15129..15434, 15328..15420		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-
Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o7.tw	Method	TBLASTX:Wheat
Start	15315	End	15677
GI	none	Score	147
Exons	15315..15677, 15316..15675		

Seq. No.	7767	Seq. ID	OJ990531_44.9B05.C6
Gene No.	16352	Strand	-

Start	31724	End	31811
Name	OJ990531_44.9B05.C6.o5.gp	Method	AAT/GAP
Start	31724	End	31811
GI	LIB3432-008-P1-K1-F11	Score	135
Exons	31724..31811		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7768	Seq. ID	OJ990531_44.9B05.C7
Gene No.	16353	Strand	-
Start	45	End	8579
Name	OJ990531_44.9B05.C7.o1.gs	Method	GENSCAN
Start	45	End	8579
GI	none	Score	.67
Exons	45..312, 2469..2656, 4714..5002, 5102..5227, 5236..6191, 6279..6725, 6804..7467, 8079..8579		

Seq. No.	7768	Seq. ID	OJ990531_44.9B05.C7
Gene No.	16353	Strand	-
Start	45	End	8579
Name	OJ990531_44.9B05.C7.o2.np	Method	AAT/NAP
Start	5580	End	8282
GI	4680204	Score	117
Exons	5580..5682, 6804..6971, 8055..8282		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16354	Strand	+
Start	6260	End	8089
Name	OJ990531_44.9B05.C8.o2.gs	Method	GENSCAN
Start	6260	End	8057
GI	none	Score	.67
Exons	6260..6628, 6728..7207, 7477..7504, 7544..8057		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16354	Strand	+
Start	6260	End	8089
Name	OJ990531_44.9B05.C8.o2.np	Method	AAT/NAP
Start	7643	End	8089
GI	6691193	Score	157
Exons	7643..8089		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.np	Method	AAT/NAP
Start	526	End	5100
GI	4680203	Score	2000
Exons	526..1463, 1739..1968, 2128..3784, 4999..5100		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.gs	Method	GENSCAN
Start	552	End	3899

GI	none	Score	.48
Exons	552..1470, 1685..1757, 1852..1941, 1963..2011, 2093..2277, 2308..2637, 2773..3314, 3661..3784, 3887..3899		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	606	End	1855
GI	none	Score	75
Exons	606..725, 726..830, 727..831, 849..902, 902..946, 903..953, 969..1100, 969..1109, 979..1110, 1107..1307, 1117..1254, 1312..1611, 1314..1613, 1323..1613, 1616..1855, 1619..1708, 1683..1811		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	669	End	917
GI	none	Score	95
Exons	669..917, 733..915		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o2.tc	Method	TBLASTX:Cress
Start	1147	End	1569
GI	none	Score	44
Exons	1147..1254, 1149..1307, 1312..1569, 1314..1565		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	1500	End	1814
GI	none	Score	77
Exons	1500..1613, 1501..1614, 1616..1813, 1683..1814		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	1997	End	2221
GI	none	Score	77
Exons	1997..2221, 2006..2149		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o4.ts	Method	TBLASTX:Soybean
Start	2297	End	2531
GI	none	Score	72
Exons	2297..2530, 2306..2506, 2370..2531		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-

Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	2366	End	2815
GI	none	Score	51
Exons	2366..2560, 2369..2560, 2382..2585, 2567..2809, 2583..2810, 2597..2815		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	2405	End	2749
GI	none	Score	74
Exons	2405..2560, 2406..2654, 2604..2699, 2606..2701, 2708..2749		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	2654	End	3001
GI	none	Score	105
Exons	2654..3001, 2655..2807, 2847..2996		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	2735	End	3002
GI	none	Score	125
Exons	2735..2998, 2736..3002		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	2750	End	3430
GI	none	Score	91
Exons	2750..2875, 2882..3001, 2895..3005, 3014..3430, 3141..3341		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16355	Strand	-
Start	552	End	5100
Name	OJ990531_44.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	3021	End	3305
GI	none	Score	198
Exons	3021..3305, 3023..3304, 3072..3305		

Seq. No.	7769	Seq. ID	OJ990531_44.9B05.C8
Gene No.	16356	Strand	
Start	7681	End	8052
Name	OJ990531_44.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	7681	End	8052
GI	none	Score	112
Exons	7681..7824, 7867..8052		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16357	Strand	+

Start	12	End	305
Name	OJ990531_44.9B05.C9.o1.gs	Method	GENSCAN
Start	12	End	305
GI	none	Score	.98
Exons	12..305		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16358	Strand	+
Start	1038	End	1733
Name	OJ990531_44.9B05.C9.o2.gs	Method	GENSCAN
Start	1038	End	1733
GI	none	Score	.61
Exons	1038..1214, 1641..1733		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o2.gp	Method	AAT/GAP
Start	8737	End	13942
GI	3761921	Score	661
Exons	8737..8802, 12970..13062, 13141..13212, 13572..13675, 13868..13942		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o5.gs	Method	GENSCAN
Start	10057	End	11356
GI	none	Score	.79
Exons	10057..10344, 10471..10659, 11294..11356		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o1.np	Method	AAT/NAP
Start	10214	End	10803
GI	4415931	Score	360
Exons	10214..10344, 10432..10803		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o6.gs	Method	GENSCAN
Start	13018	End	18890
GI	none	Score	.64
Exons	13018..13062, 13141..13212, 13572..13675, 18430..18569, 18683..18766, 18826..18890		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o3.gp	Method	AAT/GAP
Start	16354	End	16776
GI	3760470	Score	783
Exons	16354..16776		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16359	Strand	+
Start	8737	End	19065
Name	OJ990531_44.9B05.C9.o4.gp	Method	AAT/GAP
Start	18444	End	19065
GI	35137_1.R1084	Score	909
Exons	18444..18569, 18683..19065		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16360	Strand	+
Start	32063	End	34057
Name	OJ990531_44.9B05.C9.o9.gs	Method	GENSCAN
Start	32063	End	34057
GI	none	Score	.98
Exons	32063..34057		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16360	Strand	+
Start	32063	End	34057
Name	OJ990531_44.9B05.C9.o2.np	Method	AAT/NAP
Start	32093	End	34036
GI	6503299	Score	741
Exons	32093..32494, 32550..34036		
GI Descrip.	(AC011713) Contains similarity to gb|U82481 KI domain interacting kinase 1 from Zea mays and contains PF|00069 Eukaryotic protein kinase domain. ESTs gb|H77140, gb|H76842 and gb|AI994303 come from this gene. [Arabi...		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16361	Strand	+
Start	37839	End	41455
Name	OJ990531_44.9B05.C9.o10.gs	Method	GENSCAN
Start	37839	End	41455
GI	none	Score	.52
Exons	37839..37906, 38423..38612, 39781..40066, 41322..41455		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16361	Strand	+
Start	37839	End	41455
Name	OJ990531_44.9B05.C9.o3.np	Method	AAT/NAP
Start	38624	End	38715
GI	4539658	Score	67
Exons	38624..38715		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16362	Strand	-
Start	4746	End	5692
Name	OJ990531_44.9B05.C9.o1.gp	Method	AAT/GAP
Start	3925	End	4493
GI	4879016	Score	820
Exons	3925..4493		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For		

Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16362	Strand	-
Start	4746	End	5692
Name	OJ990531_44.9B05.C9.o3.gs	Method	GENSCAN
Start	4746	End	5692
GI	none	Score	.64
Exons	4746..5032, 5137..5692		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16363	Strand	-
Start	19602	End	25675
Name	OJ990531_44.9B05.C9.o7.gs	Method	GENSCAN
Start	19602	End	25675
GI	none	Score	.44
Exons	19602..19753, 20108..20167, 21201..21241, 22327..22432, 23741..23772, 24277..24371, 24678..24835, 25666..25675		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	10215	End	10691
GI	none	Score	165
Exons	10215..10292, 10216..10341, 10393..10656, 10405..10671, 10431..10691		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	10215	End	10671
GI	none	Score	140
Exons	10215..10343, 10216..10344, 10387..10671, 10390..10662, 10434..10670		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	10215	End	10671
GI	none	Score	92
Exons	10215..10301, 10216..10302, 10387..10500, 10406..10468, 10434..10511, 10483..10671, 10489..10662, 10506..10670		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	13009	End	18497
GI	none	Score	82
Exons	13009..13080, 13009..13068, 13108..13248, 13125..13214, 13571..13675, 13572..13676, 13865..13951, 13866..13961, 13868..13960, 13872..13961, 18429..18497, 18431..18496		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	13893	End	18749
GI	none	Score	125
Exons	13893..13961, 13895..13960, 13896..13961, 18430..18561, 18431..18568, 18431..18565, 18681..18749, 18682..18747		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16364	Strand	-
Start	26811	End	30988
Name	OJ990531_44.9B05.C9.o8.gs	Method	GENSCAN
Start	26811	End	30988
GI	none	Score	.78
Exons	26811..27381, 27626..27828, 27892..27993, 30772..30913, 30939..30988		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	32609	End	32860
GI	none	Score	74
Exons	32609..32674, 32696..32860		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	32618	End	33898
GI	none	Score	210
Exons	32618..32860, 33584..33625, 33659..33721, 33752..33898		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	32621	End	32857
GI	none	Score	188
Exons	32621..32857		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o3.tc	Method	TBLASTX:Cress
Start	32621	End	33727
GI	none	Score	244
Exons	32621..32860, 33665..33727		

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	33571	End	33955
GI	none	Score	91
Exons	33571..33615, 33575..33637, 33650..33751, 33676..33783,		

33752..33835, 33848..33955

Seq. No.	7770	Seq. ID	OJ990531_44.9B05.C9
Gene No.	16365	Strand	
Start	32609	End	33964
Name	OJ990531_44.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	33728	End	33964
GI	none	Score	291
Exons	33728..33964, 33730..33789, 33880..33957		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16366	Strand	+
Start	109	End	459
Name	OJ990531_44.9B05.C10.o1.gs	Method	GENSCAN
Start	109	End	459
GI	none	Score	.55
Exons	109..459		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16367	Strand	+
Start	1850	End	4477
Name	OJ990531_44.9B05.C10.o2.gs	Method	GENSCAN
Start	1850	End	4477
GI	none	Score	.71
Exons	1850..2021, 2350..2571, 3547..3662, 3692..3860, 4380..4477		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16368	Strand	-
Start	4100	End	6085
Name	OJ990531_44.9B05.C10.o2.np	Method	AAT/NAP
Start	4100	End	6085
GI	6539570	Score	220
Exons	4100..4119, 5670..5747, 5883..6085		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16368	Strand	-
Start	4100	End	6085
Name	OJ990531_44.9B05.C10.o1.np	Method	AAT/NAP
Start	5674	End	6085
GI	6539570	Score	223
Exons	5674..5747, 5883..6085		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16368	Strand	-
Start	4100	End	6085
Name	OJ990531_44.9B05.C10.o3.gs	Method	GENSCAN
Start	5853	End	6043
GI	none	Score	.51
Exons	5853..6043		

Seq. No.	7771	Seq. ID	OJ990531_44.9B05.C10
Gene No.	16369	Strand	-
Start	6217	End	7062
Name	OJ990531_44.9B05.C10.o3.np	Method	AAT/NAP
Start	6217	End	7062

GI	6630699	Score	83
Exons	6217..6306, 7039..7062		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7772	Seq. ID	OJ990531_44.9B05.C14
Gene No.	16370	Strand	+
Start	130	End	219
Name	OJ990531_44.9B05.C14.o1.gs	Method	GENSCAN
Start	130	End	219
GI	none	Score	.89
Exons	130..219		

Seq. No.	7773	Seq. ID	OJ990421_27.9B19.C2
Gene No.	16371	Strand	-
Start	522	End	669
Name	OJ990421_27.9B19.C2.o1.gp	Method	AAT/GAP
Start	522	End	669
GI	none	Score	296
Exons	522..669		

Seq. No.	7774	Seq. ID	OJ990421_27.9B19.C5
Gene No.	16372	Strand	+
Start	236	End	301
Name	OJ990421_27.9B19.C5.o1.gs	Method	GENSCAN
Start	236	End	301
GI	none	Score	.87
Exons	236..301		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16373	Strand	+
Start	262	End	4119
Name	OJ990421_27.9B19.C7.o1.gs	Method	GENSCAN
Start	262	End	4119
GI	none	Score	.5
Exons	262..409, 708..791, 1218..1317, 2064..2204, 2245..2456, 4007..4119		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o1.np	Method	AAT/NAP
Start	5628	End	14951
GI	4567245	Score	4091
Exons	5628..6020, 6051..6495, 6553..7000, 7764..8210, 8285..8586, 9941..10666, 10767..11045, 11255..11416, 11510..12445, 12534..12749, 13682..13942, 14610..14951		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o2.gs	Method	GENSCAN
Start	5710	End	15702
GI	none	Score	.64
Exons	5710..7000, 7734..8210, 8285..8586, 9941..10672, 10767..11045,		

11255..11416, 11510..12445, 12534..12749, 13682..13822,
14610..14772, 14818..14937, 15662..15702

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o1.tc	Method	TBLASTX:Cress
Start	5908	End	8550
GI	none	Score	67
Exons	5908..5958, 6055..6093, 6553..6777, 6868..6915, 6961..7044, 7722..7976, 7732..8031, 7732..8010, 7733..8050, 7733..8032, 8051..8158, 8104..8157, 8353..8430, 8467..8550		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	6292	End	8376
GI	none	Score	70
Exons	6292..6366, 6868..6927, 8005..8211, 8012..8248, 8030..8182, 8083..8211, 8282..8374, 8284..8376		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	6664	End	8550
GI	none	Score	65
Exons	6664..6777, 6850..6927, 7888..8010, 7889..8071, 7901..8047, 8045..8212, 8078..8176, 8104..8211, 8283..8330, 8284..8328, 8467..8550		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o1.gp	Method	AAT/GAP
Start	10131	End	10619
GI	uC-osflcyp058f09b1	Score	917
Exons	10131..10619		
GI Descrip.	'4567245/gb|AAD23659.1|AC007070_8 2.0e-22 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o2.tc	Method	TBLASTX:Cress
Start	10766	End	11048
GI	none	Score	360
Exons	10766..11047, 10767..11048		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o3.ts	Method	TBLASTX:Soybean
Start	11512	End	11794
GI	none	Score	152
Exons	11512..11661, 11513..11641, 11711..11794		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o2.ts	Method	TBLASTX:Soybean
Start	12290	End	12623
GI	none	Score	141
Exons	12290..12445, 12301..12426, 12529..12582, 12534..12623		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o2.gp	Method	AAT/GAP
Start	13710	End	13942
GI	LIB3434-013-P1-K1-D2	Score	351
Exons	13710..13942		
GI Descrip.	'4567245/gb|AAD23659.1|AC007070_8 8.0e-11 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7775	Seq. ID	OJ990421_27.9B19.C7
Gene No.	16374	Strand	+
Start	5710	End	15702
Name	OJ990421_27.9B19.C7.o3.gp	Method	AAT/GAP
Start	14635	End	15075
GI	uC-osf1cyp120f12b1	Score	814
Exons	14635..15075		
GI Descrip.	'4567245/gb|AAD23659.1|AC007070_8 3.0e-19 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7776	Seq. ID	OJ990421_27.9B19.C10
Gene No.	16375	Strand	-
Start	1282	End	1456
Name	OJ990421_27.9B19.C10.o1.gs	Method	GENSCAN
Start	1282	End	1456
GI	none	Score	.81
Exons	1282..1456		

Seq. No.	7777	Seq. ID	OJ990421_27.9B19.C11
Gene No.	16376	Strand	-
Start	1614	End	1966
Name	OJ990421_27.9B19.C11.o1.gs	Method	GENSCAN
Start	1614	End	1966
GI	none	Score	.88
Exons	1614..1634, 1772..1966		

Seq. No.	7778	Seq. ID	OJ990421_27.9B19.C12
Gene No.	16377	Strand	-
Start	2332	End	6638
Name	OJ990421_27.9B19.C12.o1.gs	Method	GENSCAN
Start	2332	End	6638
GI	none	Score	.5
Exons	2332..2529, 3307..3390, 4099..4182, 4841..4943, 5906..6129, 6152..6302, 6339..6495, 6561..6638		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16378	Strand	+
Start	12817	End	15870

Name	OJ990421_27.9B19.C13.o1.gp	Method	AAT/GAP
Start	11621	End	14662
GI	1081_1.R1084	Score	3848
Exons	11621..11836, 12798..12954, 13046..14662		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-180 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16378	Strand	+
Start	12817	End	15870
Name	OJ990421_27.9B19.C13.o2.gs	Method	GENSCAN
Start	12817	End	15870
GI	none	Score	.56
Exons	12817..12954, 13150..14389, 15490..15832, 15864..15870		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16378	Strand	+
Start	12817	End	15870
Name	OJ990421_27.9B19.C13.o4.np	Method	AAT/NAP
Start	12817	End	12954
GI	2129921	Score	194
Exons	12817..12954		
GI Descrip.	hypothetical protein 1 - Madagascar periwinkle gi|758694 (U12573) putative [Catharanthus roseus]		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16378	Strand	+
Start	12817	End	15870
Name	OJ990421_27.9B19.C13.o5.np	Method	AAT/NAP
Start	13225	End	14409
GI	6646868	Score	2063
Exons	13225..14409		
GI Descrip.	(AJ251899) S-adenosylmethionine decarboxylase 2 [Oryza sativa]		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16379	Strand	+
Start	25753	End	32029
Name	OJ990421_27.9B19.C13.o4.gs	Method	GENSCAN
Start	25753	End	32029
GI	none	Score	.71
Exons	25753..26787, 27572..28613, 29786..29825, 31246..31333, 31409..31534, 31764..31869, 31965..32029		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16380	Strand	+
Start	34887	End	35226
Name	OJ990421_27.9B19.C13.o6.gp	Method	AAT/GAP
Start	34887	End	35226
GI	5771067	Score	655
Exons	34887..35226		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16381	Strand	-
Start	828	End	10800
Name	OJ990421_27.9B19.C13.o1.gs	Method	GENSCAN
Start	828	End	10800
GI	none	Score	.51

Exons	828..1554, 1563..2414, 2744..2863, 2947..3060, 3496..4009, 4057..4905, 4946..5471, 5525..5681, 5713..7107, 7306..7449, 7456..7669, 8581..8778, 9356..9478, 9716..9912, 10669..10800		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16381	Strand	-
Start	828	End	10800
Name	OJ990421_27.9B19.C13.o2.np	Method	AAT/NAP
Start	3385	End	5471
GI	4416302	Score	2524
Exons	3385..5471		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16381	Strand	-
Start	828	End	10800
Name	OJ990421_27.9B19.C13.o1.np	Method	AAT/NAP
Start	3388	End	7197
GI	6630685	Score	3398
Exons	3388..5469, 7171..7197		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16381	Strand	-
Start	828	End	10800
Name	OJ990421_27.9B19.C13.o3.np	Method	AAT/NAP
Start	6082	End	9067
GI	3645898	Score	494
Exons	6082..6296, 6382..6779, 6807..7723, 8466..8503, 9041..9067		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16382	Strand	-
Start	15740	End	26675
Name	OJ990421_27.9B19.C13.o6.np	Method	AAT/NAP
Start	15740	End	26675
GI	2980780	Score	753
Exons	15740..15893, 16662..16742, 16840..17011, 17793..17871, 18371..18473, 21005..21279, 22441..22614, 23948..24048, 26368..26675		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16382	Strand	-
Start	15740	End	26675
Name	OJ990421_27.9B19.C13.o3.gs	Method	GENSCAN
Start	16125	End	24427
GI	none	Score	.91
Exons	16125..16131, 16662..16742, 16840..17011, 17793..17871, 18371..18464, 19261..19388, 20095..20121, 22468..22614, 23948..24427		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16382	Strand	-
Start	15740	End	26675

Name	OJ990421_27.9B19.C13.o2.gp	Method	AAT/GAP
Start	23934	End	24491
GI	none	Score	1049
Exons	23934..24491		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16383	Strand	-
Start	28710	End	28990
Name	OJ990421_27.9B19.C13.o3.gp	Method	AAT/GAP
Start	28710	End	28990
GI	none	Score	542
Exons	28710..28990		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16384	Strand	-
Start	29620	End	29959
Name	OJ990421_27.9B19.C13.o4.gp	Method	AAT/GAP
Start	29620	End	29959
GI	none	Score	591
Exons	29620..29959		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o2.tm	Method	TBLASTX:Maize
Start	3355	End	4062
GI	none	Score	192
Exons	3355..3714, 3358..4062, 3365..4054		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o4.ts	Method	TBLASTX:Soybean
Start	3403	End	4044
GI	none	Score	107
Exons	3403..3636, 3655..4044, 3656..3820		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o8.tc	Method	TBLASTX:Cress
Start	3406	End	3861
GI	none	Score	83
Exons	3406..3618, 3458..3619, 3637..3771, 3775..3861		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o7.tw	Method	TBLASTX:Wheat
Start	3439	End	3906
GI	none	Score	50
Exons	3439..3627, 3452..3568, 3646..3906, 3671..3751		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o4.tm	Method	TBLASTX:Maize

Start	4176	End	4611
GI	none	Score	264
Exons	4176..4610, 4177..4446, 4245..4610, 4498..4611		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o3.ts	Method	TBLASTX:Soybean
Start	4416	End	5013
GI	5509260	Score	102
Exons	4416..4790, 4416..4796, 4498..4797, 4791..4958, 4806..4952, 4960..5013, 4961..5011		
GI Descrip.	-		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o2.tw	Method	TBLASTX:Wheat
Start	4422	End	4896
GI	none	Score	187
Exons	4422..4772, 4434..4775, 4498..4773, 4571..4777, 4630..4785, 4806..4880, 4807..4896		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o9.tc	Method	TBLASTX:Cress
Start	4533	End	4814
GI	none	Score	76
Exons	4533..4814, 4567..4734		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.tm	Method	TBLASTX:Maize
Start	4729	End	5040
GI	none	Score	250
Exons	4729..4950, 4731..4955, 4958..5038, 4960..5040		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o9.tm	Method	TBLASTX:Maize
Start	5062	End	5475
GI	none	Score	43
Exons	5062..5475, 5129..5170, 5174..5467, 5179..5469		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o6.tw	Method	TBLASTX:Wheat
Start	5152	End	5475
GI	none	Score	97
Exons	5152..5232, 5243..5407, 5254..5418, 5407..5475, 5410..5475		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-

Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o12.tm	Method	TBLASTX:Maize
Start	5475	End	5777
GI	none	Score	153
Exons	5475..5678, 5476..5673, 5493..5690, 5597..5692, 5698..5775, 5702..5776, 5703..5777		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o13.tm	Method	TBLASTX:Maize
Start	7201	End	7602
GI	none	Score	68
Exons	7201..7602, 7351..7566		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.tw	Method	TBLASTX:Wheat
Start	7360	End	7722
GI	none	Score	222
Exons	7360..7722		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	12808	End	14600
GI	none	Score	130
Exons	12808..12942, 12808..12942, 12809..12955, 12810..12947, 13046..13066, 13048..13122, 13127..13183, 13136..13165, 13148..13198, 13179..14324, 13200..14297, 13208..14323, 13219..14358, 14350..14403, 14468..14488, 14562..14600		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	12808	End	14265
GI	none	Score	57
Exons	12808..12858, 12809..12874, 12838..12966, 12865..12954, 13046..13066, 13257..13355, 13258..13722, 13392..13697, 13762..13836, 13773..13829, 13851..14039, 13873..14136, 13906..14145, 14170..14265		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o1.tw	Method	TBLASTX:Wheat
Start	12809	End	14271
GI	none	Score	53
Exons	12809..12841, 12810..12839, 12841..12861, 12853..12933, 12854..12913, 12865..12942, 12867..12941, 13048..13089, 13136..13273, 13143..13199, 13254..14039, 13255..14046, 14037..14249, 14041..14271, 14043..14270		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13

Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o1.tc	Method	TBLASTX:Cress
Start	12815	End	14145
GI	none	Score	54
Exons	12815..12862, 12817..12861, 12841..12948, 12865..12954, 12873..12962, 13258..13713, 13260..13658, 13729..13755, 13773..13835, 13773..13847, 13774..13848, 13872..14039, 13873..14145		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o4.tw	Method	TBLASTX:Wheat
Start	15687	End	16959
GI	none	Score	48
Exons	15687..15749, 15689..15748, 15762..15896, 15764..15907, 16653..16742, 16653..16742, 16796..16897, 16838..16954, 16839..16958, 16840..16959		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o4.tc	Method	TBLASTX:Cress
Start	16652	End	17013
GI	none	Score	75
Exons	16652..16738, 16665..16736, 16839..17012, 16840..17013		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o6.tm	Method	TBLASTX:Maize
Start	16653	End	19121
GI	none	Score	123
Exons	16653..16742, 16654..16743, 16796..16888, 16839..17012, 16840..17013, 16881..17024, 17779..17877, 17793..17879, 17794..17877, 17795..17878, 18371..18466, 18375..18467, 19033..19116, 19052..19117, 19052..19117, 19053..19121		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o8.tm	Method	TBLASTX:Maize
Start	25753	End	26295
GI	none	Score	73
Exons	25753..25842, 25984..26118, 25990..26124, 26134..26295, 26134..26280, 26250..26294		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o7.tc	Method	TBLASTX:Cress
Start	26146	End	26388
GI	none	Score	250
Exons	26146..26388, 26160..26336		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13

Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o11.tm	Method	TBLASTX:Maize
Start	26502	End	27846
GI	none	Score	289
Exons	26502..26633, 26527..26748, 26548..26766, 26727..26765, 27565..27846, 27566..27844, 27571..27846		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o6.ts	Method	TBLASTX:Soybean
Start	26551	End	27814
GI	none	Score	58
Exons	26551..26613, 26650..26748, 27565..27813, 27569..27814		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o10.tc	Method	TBLASTX:Cress
Start	28024	End	28272
GI	none	Score	199
Exons	28024..28272, 28025..28267		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o7.tm	Method	TBLASTX:Maize
Start	28133	End	28621
GI	none	Score	396
Exons	28133..28282, 28154..28579, 28168..28563, 28580..28621		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o10.tm	Method	TBLASTX:Maize
Start	29854	End	30778
GI	none	Score	144
Exons	29854..29946, 29855..29947, 29870..29947, 30055..30174, 30057..30185, 30066..30179, 30666..30773, 30669..30773, 30670..30774, 30677..30778, 30679..30774		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o8.np	Method	AAT/NAP
Start	29860	End	31357
GI	3452091	Score	332
Exons	29860..29947, 30058..30178, 30680..30783, 31296..31357		
GI Descrip.	(AJ004899) rudimentary enhancer [Glycine max]		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.tc	Method	TBLASTX:Cress
Start	29863	End	30773
GI	none	Score	74

Exons	29863..29946, 29864..29962, 30057..30185, 30058..30186, 30667..30768, 30669..30773		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.ts	Method	TBLASTX:Soybean
Start	29863	End	30789
GI	none	Score	87
Exons	29863..29946, 29864..29938, 30052..30180, 30057..30185, 30673..30789, 30678..30782		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.gp	Method	AAT/GAP
Start	30155	End	32807
GI	5003747	Score	784
Exons	30155..30178, 30680..30773, 32506..32807		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o9.np	Method	AAT/NAP
Start	31454	End	35921
GI	81286	Score	114
Exons	31454..31560, 32458..32882, 35851..35921		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o5.gs	Method	GENSCAN
Start	32451	End	33242
GI	none	Score	.66
Exons	32451..32458, 32584..32783, 33169..33242		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o6.gs	Method	GENSCAN
Start	35331	End	41773
GI	none	Score	.63
Exons	35331..36353, 36820..37062, 37292..37642, 37723..37810, 38165..38262, 38800..39012, 39137..39232, 40895..40950, 41211..41357, 41743..41773		
Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o10.np	Method	AAT/NAP
Start	35340	End	41050
GI	951453	Score	2239
Exons	35340..36353, 36820..37062, 37292..37642, 37723..37810, 38165..38271, 38818..39029, 39130..39232, 40110..40194, 40918..41050		

GI Descrip. (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o7.gp	Method	AAT/GAP
Start	35350	End	35766
GI	LIB3432-040-P1-K1-F8	Score	794
Exons	35350..35766		

GI Descrip. '951453 5.0e-45 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o3.tm	Method	TBLASTX:Maize
Start	35394	End	40184
GI	none	Score	262
Exons	35394..35933, 35398..35718, 35403..35936, 35961..36071, 35982..36071, 36063..36236, 36064..36225, 36262..36342, 36273..36356, 36300..36356, 36798..37034, 36799..37053, 36814..37035, 36821..37096, 37237..37644, 37266..37649, 37295..37645, 37721..37807, 37723..37809, 38147..38266, 38147..38236, 38164..38271, 38167..38271, 38797..38868, 38798..38824, 38836..38916, 38855..38917, 38932..39015, 38933..39016, 39128..39235, 39131..39235, 40107..40184		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o2.ts	Method	TBLASTX:Soybean
Start	35415	End	38296
GI	none	Score	183
Exons	35415..36074, 35437..35841, 36090..36356, 36091..36207, 36095..36340, 36273..36356, 36798..37028, 36814..37035, 36817..37029, 36818..37048, 36920..37042, 37287..37418, 37288..37431, 37290..37649, 37291..37626, 37292..37639, 37461..37649, 37663..37809, 37724..37807, 38147..38296, 38164..38256		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o6.tc	Method	TBLASTX:Cress
Start	35526	End	35864
GI	none	Score	81
Exons	35526..35780, 35526..35576, 35574..35864, 35578..35859		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o3.tw	Method	TBLASTX:Wheat
Start	36006	End	36889
GI	none	Score	52
Exons	36006..36068, 36009..36068, 36076..36234, 36077..36202, 36078..36239, 36082..36222, 36262..36342, 36271..36306,		

36273..36359, 36799..36888, 36821..36889

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o3.tc	Method	TBLASTX:Cress
Start	36030	End	37351
GI	none	Score	114
Exons	36030..36209, 36091..36207, 36273..36356, 36273..36356, 36814..37065, 36817..37026, 36821..37063, 37287..37349, 37290..37349, 37292..37351		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o8.gp	Method	AAT/GAP
Start	36322	End	37379
GI	LIB3479-007-Q6-K1-D7	Score	664
Exons	36322..36353, 36820..37062, 37292..37379		
GI Descrip.	'951453 8.0e-46 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o2.tc	Method	TBLASTX:Cress
Start	37352	End	37806
GI	none	Score	206
Exons	37352..37645, 37353..37643, 37663..37806, 37721..37804		

Seq. No.	7779	Seq. ID	OJ990421_27.9B19.C13
Gene No.	16385	Strand	-
Start	29860	End	41773
Name	OJ990421_27.9B19.C13.o9.gp	Method	AAT/GAP
Start	40100	End	41140
GI	5771068	Score	582
Exons	40100..40180, 40895..41140		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16386	Strand	+
Start	596	End	1522
Name	OJ990421_27.9B19.C14.o1.gs	Method	GENSCAN
Start	596	End	1522
GI	none	Score	.51
Exons	596..724, 1106..1234, 1451..1522		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16387	Strand	+
Start	2195	End	5869
Name	OJ990421_27.9B19.C14.o1.gp	Method	AAT/GAP
Start	1973	End	2587
GI	29375_1.R1084	Score	952
Exons	1973..2069, 2195..2587		
GI Descrip.	'2239091/emb|CAB06538| 2.0e-25 (Z84571) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14

Gene No.	16387	Strand	+
Start	2195	End	5869
Name	OJ990421_27.9B19.C14.o1.np	Method	AAT/NAP
Start	2180	End	5591
GI	6469032	Score	1140
Exons	2180..2620, 4692..4911, 4947..5591		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16387	Strand	+
Start	2195	End	5869
Name	OJ990421_27.9B19.C14.o2.gs	Method	GENSCAN
Start	2195	End	5594
GI	none	Score	.9
Exons	2195..2620, 4233..4295, 4692..5594		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16387	Strand	+
Start	2195	End	5869
Name	OJ990421_27.9B19.C14.o2.gp	Method	AAT/GAP
Start	4732	End	5206
GI	uC-osf1cyp011e02b1	Score	905
Exons	4732..5206		
GI Descrip.	'2239083/emb|CAB06427| 7.0e-22 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16387	Strand	+
Start	2195	End	5869
Name	OJ990421_27.9B19.C14.o3.gp	Method	AAT/GAP
Start	5354	End	5869
GI	16713_1.R1084	Score	969
Exons	5354..5869		
GI Descrip.	'2239083/emb|CAB06427| 2.0e-13 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16388	Strand	+
Start	12199	End	19302
Name	OJ990421_27.9B19.C14.o4.gs	Method	GENSCAN
Start	12199	End	19302
GI	none	Score	.82
Exons	12199..12404, 13612..13643, 13888..13916, 14212..14715, 14959..15153, 15227..15271, 16655..16822, 17101..17435, 18587..18784, 19036..19090, 19096..19302		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16388	Strand	+
Start	12199	End	19302
Name	OJ990421_27.9B19.C14.o3.np	Method	AAT/NAP
Start	14230	End	15168
GI	4583546	Score	649

Exons	14230..14715, 14959..15168		
GI Descrip.	(AJ010819) GrpE protein [Arabidopsis thaliana]		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16388	Strand	+
Start	12199	End	19302
Name	OJ990421_27.9B19.C14.o5.gp	Method	AAT/GAP
Start	17113	End	17310
GI	428050	Score	388
Exons	17113..17310		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16388	Strand	+
Start	12199	End	19302
Name	OJ990421_27.9B19.C14.o4.np	Method	AAT/NAP
Start	17182	End	18833
GI	6503297	Score	584
Exons	17182..17435, 18587..18833		
GI Descrip.	(AC011713) ESTs gb|AI994515 and gb|T44237 come from this gene. [Arabidopsis thaliana]		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16389	Strand	-
Start	5638	End	11295
Name	OJ990421_27.9B19.C14.o2.np	Method	AAT/NAP
Start	5638	End	11295
GI	3738337	Score	585
Exons	5638..5667, 8222..9739, 11272..11295		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16390	Strand	-
Start	15132	End	15529
Name	OJ990421_27.9B19.C14.o4.gp	Method	AAT/GAP
Start	15132	End	15529
GI	2312489	Score	771
Exons	15132..15529		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16391	Strand	-
Start	19553	End	21124
Name	OJ990421_27.9B19.C14.o5.gs	Method	GENSCAN
Start	19553	End	21124
GI	none	Score	.65
Exons	19553..21124		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o3.tm	Method	TBLASTX:Maize
Start	2131	End	4874
GI	none	Score	196
Exons	2131..2313, 2192..2326, 2315..2626, 2383..2622, 4670..4873, 4671..4874		
Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14

Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	2173	End	5636
GI	none	Score	166
Exons	2173..2313, 2192..2323, 2354..2500, 2383..2520, 2482..2622, 2507..2629, 4644..4910, 4689..4835, 4691..4891, 4968..5231, 5075..5269, 5258..5539, 5259..5594, 5529..5636		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o1.tc	Method	TBLASTX:Cress
Start	2189	End	4919
GI	none	Score	186
Exons	2189..2323, 2194..2313, 2354..2521, 2395..2520, 2510..2626, 2518..2622, 4644..4919, 4686..4844, 4691..4891		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o5.tw	Method	TBLASTX:Wheat
Start	2192	End	2326
GI	none	Score	199
Exons	2192..2326, 2194..2313		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	4878	End	5597
GI	none	Score	45
Exons	4878..4922, 4967..5092, 4968..5099, 5096..5596, 5097..5597		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o5.tc	Method	TBLASTX:Cress
Start	4968	End	5231
GI	none	Score	164
Exons	4968..5174, 5048..5149, 5169..5231, 5174..5230		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o2.tc	Method	TBLASTX:Cress
Start	5280	End	5594
GI	none	Score	359
Exons	5280..5594, 5339..5569		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o6.tw	Method	TBLASTX:Wheat
Start	7605	End	7942
GI	none	Score	181
Exons	7605..7646, 7691..7942		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o7.tm	Method	TBLASTX:Maize
Start	7886	End	8347
GI	none	Score	167
Exons	7886..7960, 7982..8347		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o1.tw	Method	TBLASTX:Wheat
Start	8249	End	8696
GI	none	Score	158
Exons	8249..8377, 8397..8696, 8399..8677		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o4.ts	Method	TBLASTX:Soybean
Start	8399	End	8958
GI	none	Score	98
Exons	8399..8605, 8680..8754, 8794..8958		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o2.tm	Method	TBLASTX:Maize
Start	8543	End	9525
GI	none	Score	195
Exons	8543..8569, 8564..8704, 8680..9525, 8690..9046, 9083..9511		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o2.tw	Method	TBLASTX:Wheat
Start	8815	End	9232
GI	none	Score	92
Exons	8815..8874, 8884..9039, 8884..9039, 9040..9231, 9041..9232		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o4.tw	Method	TBLASTX:Wheat
Start	9254	End	9459
GI	none	Score	133
Exons	9254..9445, 9256..9459		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o2.ts	Method	TBLASTX:Soybean
Start	14275	End	15143
GI	none	Score	528
Exons	14275..14718, 14298..14711, 14959..15120, 14967..15143		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o4.tm	Method	TBLASTX:Maize
Start	14344	End	15284
GI	none	Score	479
Exons	14344..14718, 14344..14715, 14508..14717, 14958..15101, 14959..15201, 14967..15155, 15218..15280, 15229..15282, 15231..15284		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o3.tc	Method	TBLASTX:Cress
Start	14497	End	15051
GI	none	Score	272
Exons	14497..14718, 14514..14735, 14959..15051, 14967..15050		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o3.tw	Method	TBLASTX:Wheat
Start	17191	End	18701
GI	none	Score	144
Exons	17191..17271, 17214..17270, 17292..17435, 17293..17436, 18572..18697, 18581..18700, 18582..18701		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o4.tc	Method	TBLASTX:Cress
Start	17236	End	18760
GI	none	Score	53
Exons	17236..17271, 17292..17435, 17293..17436, 18533..18742, 18581..18760, 18582..18758		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o6.tm	Method	TBLASTX:Maize
Start	18669	End	18843
GI	none	Score	265
Exons	18669..18824, 18669..18842, 18670..18843		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o6.gp	Method	AAT/GAP
Start	21406	End	22963
GI	27779_1.R1084	Score	1084
Exons	21406..21773, 21869..21954, 22032..22085, 22593..22691, 22931..22963		
GI Descrip.	'4768968/gb|AAD29697.1|AF140219_1 2.0e-24 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]'		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-

Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o5.tm	Method	TBLASTX:Maize
Start	21686	End	24448
GI	none	Score	77
Exons	21686..21775, 21686..21790, 21893..21949, 21914..21955, 22030..22086, 22032..22094, 22555..22632, 22597..22689, 22598..22690, 22927..22965, 22932..22964, 23052..23192, 23086..23205, 23089..23190, 24204..24257, 24206..24448, 24206..24286, 24211..24444		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o6.gs	Method	GENSCAN
Start	21696	End	24556
GI	none	Score	.8
Exons	21696..21773, 21869..21982, 23053..23191, 24209..24432, 24539..24556		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o5.np	Method	AAT/NAP
Start	21702	End	24450
GI	4768968	Score	690
Exons	21702..21773, 21857..21955, 22024..22085, 22593..22691, 22931..22964, 23053..23191, 24209..24450		
GI Descrip.	(AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o3.ts	Method	TBLASTX:Soybean
Start	22597	End	24441
GI	none	Score	70
Exons	22597..22689, 22598..22690, 22928..22966, 22932..22964, 23057..23164, 23058..23174, 23089..23190, 23099..23206, 24197..24433, 24211..24441		

Seq. No.	7780	Seq. ID	OJ990421_27.9B19.C14
Gene No.	16392	Strand	-
Start	21406	End	24717
Name	OJ990421_27.9B19.C14.o7.gp	Method	AAT/GAP
Start	24223	End	24717
GI	5005020	Score	697
Exons	24223..24432, 24539..24717		
GI Descrip.	4768968/gb|AAD29697.1|AF140219_1 3.0e-17 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	7781	Seq. ID	OJ990421_27.9B19.C15
Gene No.	16393	Strand	+
Start	220	End	3120
Name	OJ990421_27.9B19.C15.o1.gs	Method	GENSCAN
Start	220	End	3120
GI	none	Score	.46
Exons	220..284, 2287..2358, 2928..3120		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o2.np	Method	AAT/NAP
Start	1	End	5327
GI	5441880	Score	1702
Exons	1..31, 2352..2406, 2515..2654, 3256..3582, 3841..3872, 4317..5327		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o1.gs	Method	GENSCAN
Start	846	End	5438
GI	none	Score	.4
Exons	846..961, 1475..1600, 1664..1840, 1953..2033, 2164..2186, 2353..2439, 2515..2588, 3073..4890, 5082..5438		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o1.gp	Method	AAT/GAP
Start	1971	End	2400
GI	LIB3433-020-P1-K1-A6	Score	825
Exons	1971..2400		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o1.np	Method	AAT/NAP
Start	2214	End	5327
GI	5441880	Score	1700
Exons	2214..2406, 2515..2654, 3256..3582, 3841..3872, 4317..5327		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o1.tw	Method	TBLASTX:Wheat
Start	4090	End	4467
GI	none	Score	68
Exons	4090..4263, 4101..4241, 4196..4264, 4288..4464, 4318..4467		

Seq. No.	7782	Seq. ID	OJ990421_27.9B19.C16
Gene No.	16394	Strand	-
Start	1	End	5438
Name	OJ990421_27.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	4165	End	4761
GI	none	Score	81

Exons	4165..4236, 4294..4542, 4294..4761, 4304..4756		
Seq. No.	7783	Seq. ID	OJ990421_27.9B19.C17
Gene No.	16395	Strand	-
Start	1	End	190
Name	OJ990421_27.9B19.C17.o1.gp	Method	AAT/GAP
Start	1	End	190
GI	none	Score	363
Exons	1..190		
Seq. No.	7783	Seq. ID	OJ990421_27.9B19.C17
Gene No.	16396	Strand	-
Start	344	End	1242
Name	OJ990421_27.9B19.C17.o1.gs	Method	GENSCAN
Start	344	End	1242
GI	none	Score	.69
Exons	344..433, 705..866, 1129..1242		
Seq. No.	7784	Seq. ID	OJ990421_27.9B19.C18
Gene No.	16397	Strand	+
Start	329	End	9875
Name	OJ990421_27.9B19.C18.o1.gs	Method	GENSCAN
Start	329	End	9875
GI	none	Score	.5
Exons	329..402, 3159..3333, 3338..3480, 8644..8736, 8774..8959, 9702..9749, 9839..9875		
Seq. No.	7784	Seq. ID	OJ990421_27.9B19.C18
Gene No.	16398	Strand	-
Start	14828	End	16201
Name	OJ990421_27.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	14817	End	14980
GI	none	Score	218
Exons	14817..14978, 14817..14882, 14846..14980		
Seq. No.	7784	Seq. ID	OJ990421_27.9B19.C18
Gene No.	16398	Strand	-
Start	14828	End	16201
Name	OJ990421_27.9B19.C18.o1.np	Method	AAT/NAP
Start	14828	End	16201
GI	2980772	Score	1371
Exons	14828..16030, 16058..16201		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		
Seq. No.	7784	Seq. ID	OJ990421_27.9B19.C18
Gene No.	16398	Strand	-
Start	14828	End	16201
Name	OJ990421_27.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	15020	End	15361
GI	none	Score	86
Exons	15020..15055, 15131..15280, 15135..15278, 15231..15359, 15272..15361		
Seq. No.	7784	Seq. ID	OJ990421_27.9B19.C18
Gene No.	16398	Strand	-
Start	14828	End	16201
Name	OJ990421_27.9B19.C18.o1.ts	Method	TBLASTX:Soybean

Start	15377	End	16174
GI	none	Score	91
Exons	15377..15613, 15377..15631, 15429..15632, 15629..16027, 15708..15881, 15887..16036, 16076..16150, 16091..16174		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o1.gp	Method	AAT/GAP
Start	1709	End	2798
GI	none	Score	1964
Exons	1709..2677, 2755..2798		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o2.tm	Method	TBLASTX:Maize
Start	2085	End	4956
GI	none	Score	68
Exons	2085..2144, 2108..2149, 2109..2156, 2151..2204, 2175..2216, 2302..2439, 2317..2436, 2452..2553, 2454..2600, 2480..2590, 2588..2680, 2608..2652, 2635..2667, 2725..2811, 2742..2786, 2756..2812, 3555..3620, 3557..3628, 3557..3625, 3778..3831, 3779..3835, 4217..4300, 4218..4295, 4840..4956		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o1.gs	Method	GENSCAN
Start	2176	End	7748
GI	none	Score	.77
Exons	2176..2677, 2755..2838, 3420..3466, 3781..3832, 4215..4315, 4834..4944, 5330..5763, 5830..5902, 5982..6032, 6404..6595, 6698..6824, 7275..7456, 7545..7748		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o1.tm	Method	TBLASTX:Maize
Start	5750	End	6812
GI	none	Score	43
Exons	5750..5866, 5875..5907, 5978..6034, 5982..6032, 6401..6598, 6402..6599, 6681..6812, 6695..6811		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o1.tc	Method	TBLASTX:Cress
Start	7274	End	7739
GI	none	Score	99
Exons	7274..7462, 7284..7376, 7528..7632, 7545..7739, 7666..7728		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o1.ts	Method	TBLASTX:Soybean
Start	7527	End	7754

GI	none	Score	110
Exons	7527..7754, 7543..7743		

Seq. No.	7785	Seq. ID	OJ990421_27.9B19.C19
Gene No.	16399	Strand	-
Start	2176	End	7768
Name	OJ990421_27.9B19.C19.o3.tm	Method	TBLASTX:Maize
Start	7545	End	7768
GI	none	Score	162
Exons	7545..7766, 7547..7768, 7548..7766, 7558..7767		

Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o2.tm	Method	TBLASTX:Maize
Start	4293	End	4655
GI	none	Score	42
Exons	4293..4382, 4483..4536, 4487..4654, 4584..4655		

Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o1.gp	Method	AAT/GAP
Start	4294	End	5247
GI	10619_1.R1084	Score	1885
Exons	4294..5247		
GI Descrip.	'732003/sp|P39281|BLC_ECOLI 2.0e-16 OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR >gi_2125977_pir__I84534 outer membrane lipoprotein - Escherichia coli >gi_536993 (U14003) ORF_f177 [Escherichia coli] >gi_717134 (U21726) lipocalin precursor [Escherichia coli] >gi_1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]'		

Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o1.tc	Method	TBLASTX:Cress
Start	4487	End	5056
GI	none	Score	48
Exons	4487..4870, 4488..4523, 4584..4694, 4868..4900, 4899..5039, 4904..5056		

Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o2.gs	Method	GENSCAN
Start	4487	End	5074
GI	none	Score	.99
Exons	4487..5074		

Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o1.np	Method	AAT/NAP
Start	4559	End	5294
GI	732003	Score	164
Exons	4559..5035, 5214..5294		

GI Descrip.	OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR gi|2125977|pir||I84534 outer membrane lipoprotein - Escherichia coli gi|536993 (U14003) ORF_f177 [Escherichia coli] gi|717134 (U21726) lipocalin precursor [Escherichia coli] gi|1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]		
Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o1.ts	Method	TBLASTX:Soybean
Start	4592	End	5047
GI	none	Score	119
Exons	4592..4870, 4868..4900, 4890..5042, 4904..5047		
Seq. No.	7786	Seq. ID	OJ990421_27.9B19.C20
Gene No.	16400	Strand	-
Start	4487	End	5294
Name	OJ990421_27.9B19.C20.o1.tm	Method	TBLASTX:Maize
Start	4655	End	5045
GI	none	Score	48
Exons	4655..4687, 4655..4870, 4788..4871, 4869..5045, 4871..5044		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16401	Strand	+
Start	4932	End	9522
Name	OJ990421_27.9B19.C21.o2.gs	Method	GENSCAN
Start	4932	End	9522
GI	none	Score	.88
Exons	4932..5217, 5477..5544, 5652..5875, 6256..6339, 7218..7431, 8277..8453, 8542..8661, 8889..9100, 9468..9522		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16401	Strand	+
Start	4932	End	9522
Name	OJ990421_27.9B19.C21.o2.np	Method	AAT/NAP
Start	5477	End	9089
GI	2827631	Score	1020
Exons	5477..5544, 5652..5875, 6256..6339, 7218..7431, 8277..8453, 8542..8661, 8889..9089		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16401	Strand	+
Start	4932	End	9522
Name	OJ990421_27.9B19.C21.o1.gp	Method	AAT/GAP
Start	8295	End	9104
GI	uC-osflcyp125h03b1	Score	909
Exons	8295..8453, 8542..8661, 8889..9104		
GI Descrip.	'2827631/emb|CAA16584.1| 3.0e-35 (AL021636) putative protein [Arabidopsis thaliana]'		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16402	Strand	-
Start	144	End	3683
Name	OJ990421_27.9B19.C21.o1.gs	Method	GENSCAN
Start	144	End	3683
GI	none	Score	.43

Exons	144..328, 516..681, 693..847, 1068..1112, 1374..1451, 1635..1678, 2186..2341, 2550..2643, 3629..3683		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16402	Strand	-
Start	144	End	3683
Name	OJ990421_27.9B19.C21.o1.np	Method	AAT/NAP
Start	2194	End	2897
GI	133867	Score	230
Exons	2194..2292, 2550..2643, 2743..2897		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16403	Strand	-
Start	9981	End	13165
Name	OJ990421_27.9B19.C21.o3.gs	Method	GENSCAN
Start	9981	End	12081
GI	none	Score	.67
Exons	9981..10735, 10841..10939, 11153..11587, 11601..11778, 11875..12081		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16403	Strand	-
Start	9981	End	13165
Name	OJ990421_27.9B19.C21.o3.np	Method	AAT/NAP
Start	9987	End	13165
GI	6466945	Score	874
Exons	9987..10402, 10436..10676, 11157..11511, 11588..11682, 11719..11768, 13089..13165		
GI Descrip.	(AC009176) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16404	Strand	-
Start	13749	End	19699
Name	OJ990421_27.9B19.C21.o2.gp	Method	AAT/GAP
Start	13260	End	18797
GI	1427_1.R1084	Score	3285
Exons	13260..13933, 14039..14185, 14682..14753, 15096..15239, 15804..15875, 16268..16339, 16840..16911, 17249..17320, 17451..17522, 17720..17791, 17992..18066, 18262..18408, 18706..18797		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		
Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16404	Strand	-
Start	13749	End	19699
Name	OJ990421_27.9B19.C21.o4.gs	Method	GENSCAN
Start	13749	End	19699
GI	none	Score	.82
Exons	13749..13933, 14039..14185, 15096..15239, 16268..16339, 16840..16911, 17249..17320, 17451..17522, 17720..17791, 17992..18066, 18262..18433, 19276..19404, 19490..19699		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16405	Strand	-
Start	19637	End	19861
Name	OJ990421_27.9B19.C21.o3.gp	Method	AAT/GAP
Start	19637	End	19861
GI	none	Score	420
Exons	19637..19861		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o6.tm	Method	TBLASTX:Maize
Start	2194	End	2912
GI	none	Score	65
Exons	2194..2247, 2250..2297, 2549..2605, 2550..2606, 2604..2645, 2608..2646, 2725..2811, 2727..2789, 2766..2831, 2787..2831, 2833..2895, 2834..2896, 2859..2912		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o6.tc	Method	TBLASTX:Cress
Start	2250	End	2893
GI	none	Score	68
Exons	2250..2297, 2549..2605, 2550..2603, 2604..2645, 2725..2811, 2727..2789, 2787..2831, 2833..2892, 2849..2893		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o7.ts	Method	TBLASTX:Soybean
Start	2250	End	2895
GI	none	Score	62
Exons	2250..2297, 2549..2605, 2550..2606, 2604..2645, 2725..2811, 2727..2798, 2787..2831, 2833..2895, 2861..2890		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o2.tm	Method	TBLASTX:Maize
Start	5475	End	5878
GI	none	Score	70
Exons	5475..5537, 5475..5543, 5476..5547, 5482..5544, 5649..5876, 5650..5877, 5657..5878		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o2.tc	Method	TBLASTX:Cress
Start	5476	End	8363
GI	none	Score	90
Exons	5476..5544, 5476..5544, 5649..5876, 5657..5755, 5705..5878, 5712..5882, 6253..6345, 6256..6342, 6257..6349, 6263..6349, 7183..7467, 7217..7297, 7245..7430, 8274..8363		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-

Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o4.ts	Method	TBLASTX:Soybean
Start	5652	End	6307
GI	none	Score	296
Exons	5652..5876, 5657..5764, 5688..5879, 6256..6300, 6257..6307		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o5.ts	Method	TBLASTX:Soybean
Start	7205	End	9071
GI	none	Score	134
Exons	7205..7432, 7219..7467, 7242..7430, 8274..8453, 8275..8454, 8539..8664, 8541..8654, 8888..9070, 8889..9071		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o5.tm	Method	TBLASTX:Maize
Start	7216	End	7374
GI	none	Score	186
Exons	7216..7371, 7217..7372, 7217..7372, 7219..7374, 7242..7373		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o3.tm	Method	TBLASTX:Maize
Start	7375	End	8933
GI	none	Score	93
Exons	7375..7455, 7377..7442, 8274..8453, 8275..8454, 8276..8461, 8276..8455, 8531..8650, 8539..8664, 8541..8654, 8883..8933, 8889..8933		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o3.tc	Method	TBLASTX:Cress
Start	10002	End	10355
GI	none	Score	95
Exons	10002..10355, 10062..10355		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o1.tw	Method	TBLASTX:Wheat
Start	10095	End	10523
GI	none	Score	137
Exons	10095..10280, 10096..10281, 10143..10280, 10273..10380, 10275..10385, 10437..10523		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o1.ts	Method	TBLASTX:Soybean
Start	10197	End	10644
GI	none	Score	66
Exons	10197..10322, 10197..10385, 10237..10323, 10435..10644,		

10437..10637

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o3.ts	Method	TBLASTX:Soybean
Start	11157	End	11643
GI	none	Score	65
Exons	11157..11273, 11158..11211, 11292..11369, 11385..11513, 11587..11643		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o5.tc	Method	TBLASTX:Cress
Start	11157	End	11561
GI	none	Score	135
Exons	11157..11219, 11319..11561		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o2.ts	Method	TBLASTX:Soybean
Start	13746	End	14163
GI	none	Score	69
Exons	13746..13937, 13750..13833, 14034..14162, 14038..14163		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o1.tm	Method	TBLASTX:Maize
Start	13749	End	17515
GI	none	Score	114
Exons	13749..13928, 13749..13937, 13750..13935, 13779..13955, 13794..13955, 13794..13931, 14031..14183, 14034..14183, 14038..14184, 14076..14213, 14085..14207, 14681..14752, 14683..14754, 14683..14751, 15073..15246, 15073..15243, 15095..15241, 15097..15240, 15772..15876, 15773..15877, 15800..15877, 16236..16310, 16237..16341, 16267..16350, 16268..16351, 16821..16919, 16822..16920, 16839..16913, 16840..16917, 16841..16918, 17218..17322, 17247..17321, 17249..17326, 17434..17514, 17446..17505, 17450..17512, 17450..17515		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o1.tc	Method	TBLASTX:Cress
Start	13749	End	20117
GI	none	Score	111
Exons	13749..13937, 13750..13935, 13791..13949, 14034..14180, 14037..14183, 14038..14184, 14085..14177, 14683..14769, 14696..14752, 15064..15243, 15091..15231, 15095..15229, 15769..15891, 20004..20117		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-

Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o2.tw	Method	TBLASTX:Wheat
Start	13749	End	15876
GI	none	Score	115
Exons	13749..13937, 13750..13938, 15769..15876		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o4.tm	Method	TBLASTX:Maize
Start	17993	End	19747
GI	none	Score	83
Exons	17993..18064, 17997..18074, 18263..18409, 18264..18410, 18704..18916, 18705..18914, 18740..18916, 19275..19406, 19276..19407, 19285..19407, 19483..19575, 19490..19576, 19518..19577, 19653..19742, 19655..19726, 19658..19747, 19665..19730		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o4.tc	Method	TBLASTX:Cress
Start	18263	End	19705
GI	none	Score	78
Exons	18263..18334, 18788..18844, 18827..18916, 18828..18905, 18845..18916, 19275..19355, 19276..19407, 19334..19405, 19490..19537, 19556..19705		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o6.ts	Method	TBLASTX:Soybean
Start	18320	End	19537
GI	none	Score	63
Exons	18320..18409, 18321..18410, 18704..18982, 18723..18905, 19276..19407, 19490..19537		

Seq. No.	7787	Seq. ID	OJ990421_27.9B19.C21
Gene No.	16406	Strand	-
Start	20149	End	20439
Name	OJ990421_27.9B19.C21.o4.gp	Method	AAT/GAP
Start	20149	End	20439
GI	none	Score	562
Exons	20149..20439		

Seq. No.	7788	Seq. ID	OJ990421_27.9B19.C22
Gene No.	16407	Strand	-
Start	119	End	622
Name	OJ990421_27.9B19.C22.o1.gs	Method	GENSCAN
Start	119	End	622
GI	none	Score	.64
Exons	119..216, 562..622		

Seq. No.	7789	Seq. ID	OJ990421_27.9B19.C27
Gene No.	16408	Strand	+
Start	1	End	270
Name	OJ990421_27.9B19.C27.o1.np	Method	AAT/NAP

Start	1	End	270
GI	4680186	Score	137
Exons	1..270		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7789	Seq. ID	OJ990421_27.9B19.C27
Gene No.	16409	Strand	-
Start	29	End	94
Name	OJ990421_27.9B19.C27.o1.gs	Method	GENSCAN
Start	29	End	94
GI	none	Score	.47
Exons	29..94		

Seq. No.	7790	Seq. ID	OJ990421_27.9B19.C28
Gene No.	16410	Strand	-
Start	7	End	498
Name	OJ990421_27.9B19.C28.o1.gs	Method	GENSCAN
Start	7	End	498
GI	none	Score	.83
Exons	7..498		

Seq. No.	7791	Seq. ID	OJ990421_27.9B19.C29
Gene No.	16411	Strand	+
Start	127	End	687
Name	OJ990421_27.9B19.C29.o1.np	Method	AAT/NAP
Start	127	End	687
GI	6721561	Score	352
Exons	127..394, 465..523, 597..687		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7791	Seq. ID	OJ990421_27.9B19.C29
Gene No.	16411	Strand	+
Start	127	End	687
Name	OJ990421_27.9B19.C29.o1.gs	Method	GENSCAN
Start	203	End	523
GI	none	Score	.85
Exons	203..394, 465..523		

Seq. No.	7792	Seq. ID	OJ990421_27.9B19.C30
Gene No.	16412	Strand	-
Start	1	End	148
Name	OJ990421_27.9B19.C30.o1.np	Method	AAT/NAP
Start	1	End	148
GI	5902445	Score	240
Exons	1..148		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7792	Seq. ID	OJ990421_27.9B19.C30
Gene No.	16412	Strand	-
Start	1	End	148
Name	OJ990421_27.9B19.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	138
GI	none	Score	98

Exons	1..138, 2..133		
Seq. No.	7793	Seq. ID	OJ990421_27.9B19.C31
Gene No.	16413	Strand	+
Start	1	End	592
Name	OJ990421_27.9B19.C31.o1.np	Method	AAT/NAP
Start	1	End	592
GI	4378066	Score	364
Exons	1..592		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	7793	Seq. ID	OJ990421_27.9B19.C31
Gene No.	16414	Strand	-
Start	323	End	439
Name	OJ990421_27.9B19.C31.o1.gs	Method	GENSCAN
Start	323	End	439
GI	none	Score	.61
Exons	323..439		
Seq. No.	7794	Seq. ID	OJ990421_27.9B19.C32
Gene No.	16415	Strand	+
Start	1	End	353
Name	OJ990421_27.9B19.C32.o1.np	Method	AAT/NAP
Start	1	End	353
GI	5902444	Score	194
Exons	1..353		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	7794	Seq. ID	OJ990421_27.9B19.C32
Gene No.	16415	Strand	+
Start	1	End	353
Name	OJ990421_27.9B19.C32.o1.gs	Method	GENSCAN
Start	35	End	150
GI	none	Score	.99
Exons	35..150		
Seq. No.	7795	Seq. ID	OJ990421_27.9B19.C33
Gene No.	16416	Strand	+
Start	601	End	707
Name	OJ990421_27.9B19.C33.o1.gp	Method	AAT/GAP
Start	601	End	707
GI	uC-osf1cyp033a04b1	Score	206
Exons	601..707		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	7795	Seq. ID	OJ990421_27.9B19.C33
Gene No.	16417	Strand	-
Start	10	End	177
Name	OJ990421_27.9B19.C33.o1.gs	Method	GENSCAN
Start	10	End	177
GI	none	Score	.66
Exons	10..177		
Seq. No.	7795	Seq. ID	OJ990421_27.9B19.C33

Gene No.	16418	Strand	-
Start	534	End	707
Name	OJ990421_27.9B19.C33.o1.np	Method	AAT/NAP
Start	534	End	707
GI	4680186	Score	310
Exons	534..707		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7796	Seq. ID	OJ990421_27.9B19.C34
Gene No.	16419	Strand	-
Start	289	End	463
Name	OJ990421_27.9B19.C34.o1.gs	Method	GENSCAN
Start	289	End	463
GI	none	Score	.55
Exons	289..463		

Seq. No.	7797	Seq. ID	OJ990421_27.9B19.C36
Gene No.	16420	Strand	+
Start	55	End	185
Name	OJ990421_27.9B19.C36.o1.gs	Method	GENSCAN
Start	55	End	185
GI	none	Score	.4
Exons	55..185		

Seq. No.	7797	Seq. ID	OJ990421_27.9B19.C36
Gene No.	16421	Strand	-
Start	1	End	244
Name	OJ990421_27.9B19.C36.o1.np	Method	AAT/NAP
Start	1	End	244
GI	5852179	Score	106
Exons	1..244		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	7798	Seq. ID	OJ990421_27.9B19.C37
Gene No.	16422	Strand	-
Start	103	End	244
Name	OJ990421_27.9B19.C37.o1.gs	Method	GENSCAN
Start	103	End	244
GI	none	Score	.58
Exons	103..244		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16423	Strand	+
Start	1	End	2842
Name	OJ990301_10.9B03.C1.o1.np	Method	AAT/NAP
Start	1	End	2836
GI	3355626	Score	1253
Exons	1..24, 98..194, 514..664, 787..884, 1021..1129, 1229..1386, 1752..1894, 1989..2129, 2708..2836		
GI Descrip.	(Y09204) histidinol-phosphate aminotransferase [Nicotiana tabacum]		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16423	Strand	+
Start	1	End	2842
Name	OJ990301_10.9B03.C1.o1.gs	Method	GENSCAN
Start	107	End	2842

GI	none	Score	.85
Exons	107..190, 510..664, 787..884, 1021..1129, 1229..1386, 1752..1894, 2708..2842		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16423	Strand	+
Start	1	End	2842
Name	OJ990301_10.9B03.C1.o1.gp	Method	AAT/GAP
Start	556	End	1277
GI	LIB3475-004-P1-K2-H6	Score	646
Exons	556..664, 787..884, 1021..1129, 1229..1277		
GI Descrip.	'3355626/emb|CAA70403| 4.0e-52 (Y09204) histidinol-phosphate aminotransferase [Nicotiana tabacum]'		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16423	Strand	+
Start	1	End	2842
Name	OJ990301_10.9B03.C1.o2.gp	Method	AAT/GAP
Start	2097	End	2528
GI	LIB3433-024-P1-K1-E2	Score	793
Exons	2097..2528		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-33 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16424	Strand	+
Start	3534	End	3787
Name	OJ990301_10.9B03.C1.o2.gs	Method	GENSCAN
Start	3534	End	3787
GI	none	Score	.87
Exons	3534..3548, 3602..3787		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o1.tm	Method	TBLASTX:Maize
Start	91	End	2932
GI	none	Score	124
Exons	91..192, 97..192, 98..196, 507..665, 507..662, 509..667, 617..667, 784..882, 785..883, 785..883, 1019..1042, 1020..1040, 1031..1135, 1032..1127, 1037..1129, 1195..1389, 1226..1399, 1227..1382, 1747..1893, 1748..1894, 1965..2129, 1983..2129, 1993..2145, 2017..2139, 2705..2842, 2707..2841, 2745..2843, 2894..2932		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o3.ts	Method	TBLASTX:Soybean
Start	91	End	1091
GI	none	Score	153
Exons	91..195, 98..193, 507..629, 558..665, 614..661, 785..883, 790..882, 1019..1087, 1020..1091		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336

Name	OJ990301_10.9B03.C1.o1.tc	Method	TBLASTX:Cress
Start	495	End	1277
GI	none	Score	231
Exons	495..662, 510..665, 614..673, 784..882, 785..883, 1019..1129, 1020..1127, 1227..1277		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o1.ts	Method	TBLASTX:Soybean
Start	1095	End	2833
GI	none	Score	60
Exons	1095..1127, 1190..1357, 1227..1355, 1237..1383, 1245..1382, 1267..1389, 1272..1388, 1744..1893, 1748..1894, 1751..1894, 1965..2129, 1986..2120, 2035..2130, 2041..2130, 2048..2140, 2695..2832, 2705..2833		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o2.np	Method	AAT/NAP
Start	5965	End	8821
GI	4249416	Score	567
Exons	5965..6029, 7243..7455, 7552..7632, 7723..7932, 8185..8330, 8396..8585, 8691..8821		
GI Descrip.	(AC006072) putative exonuclease [Arabidopsis thaliana]		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o4.gs	Method	GENSCAN
Start	7227	End	10336
GI	none	Score	.69
Exons	7227..7632, 7723..7932, 8185..8354, 8450..8583, 8695..8846, 9234..9400, 10226..10336		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o4.ts	Method	TBLASTX:Soybean
Start	7597	End	8345
GI	none	Score	52
Exons	7597..7635, 7710..7799, 7818..7931, 7837..7932, 8145..8318, 8175..8345, 8224..8334		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o2.ts	Method	TBLASTX:Soybean
Start	8483	End	8849
GI	none	Score	153
Exons	8483..8602, 8693..8848, 8694..8849		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o2.tm	Method	TBLASTX:Maize

Start	8507	End	9439
GI	none	Score	106
Exons	8507..8614, 8508..8585, 8693..8848, 8694..8852, 9230..9274, 9232..9270, 9374..9439		

Seq. No.	7799	Seq. ID	OJ990301_10.9B03.C1
Gene No.	16425	Strand	-
Start	5965	End	10336
Name	OJ990301_10.9B03.C1.o2.tc	Method	TBLASTX:Cress
Start	8726	End	8854
GI	none	Score	133
Exons	8726..8854, 8730..8849		

Seq. No.	7800	Seq. ID	OJ990301_10.9B03.C2
Gene No.	16426	Strand	+
Start	292	End	425
Name	OJ990301_10.9B03.C2.o1.gs	Method	GENSCAN
Start	292	End	425
GI	none	Score	.53
Exons	292..425		

Seq. No.	7800	Seq. ID	OJ990301_10.9B03.C2
Gene No.	16427	Strand	-
Start	130	End	204
Name	OJ990301_10.9B03.C2.o1.gp	Method	AAT/GAP
Start	130	End	204
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	130..204		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7800	Seq. ID	OJ990301_10.9B03.C2
Gene No.	16428	Strand	-
Start	537	End	628
Name	OJ990301_10.9B03.C2.o2.gp	Method	AAT/GAP
Start	537	End	628
GI	5867_1.R1084	Score	134
Exons	537..628		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	7801	Seq. ID	OJ990301_10.9B03.C3
Gene No.	16429	Strand	-
Start	435	End	1371
Name	OJ990301_10.9B03.C3.o1.gs	Method	GENSCAN
Start	435	End	1252
GI	none	Score	.72
Exons	435..572, 1070..1252		

Seq. No.	7801	Seq. ID	OJ990301_10.9B03.C3
Gene No.	16429	Strand	-

Start	435	End	1371
Name	OJ990301_10.9B03.C3.o1.np	Method	AAT/NAP
Start	1064	End	1371
GI	5852172	Score	60
Exons	1064..1139, 1282..1371		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	7801	Seq. ID	OJ990301_10.9B03.C3
Gene No.	16430	Strand	-
Start	1484	End	1796
Name	OJ990301_10.9B03.C3.o2.gs	Method	GENSCAN
Start	1484	End	1796
GI	none	Score	.93
Exons	1484..1658, 1715..1796		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16431	Strand	+
Start	1242	End	1932
Name	OJ990301_10.9B03.C4.o1.gs	Method	GENSCAN
Start	1242	End	1932
GI	none	Score	.68
Exons	1242..1318, 1372..1627, 1641..1932		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o1.gp	Method	AAT/GAP
Start	2730	End	3045
GI	2797162	Score	426
Exons	2730..2937, 3011..3045		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o2.tm	Method	TBLASTX:Maize
Start	2770	End	3284
GI	none	Score	128
Exons	2770..2952, 2822..2938, 3002..3100, 3011..3097, 3021..3101, 3022..3105, 3240..3284		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o2.gs	Method	GENSCAN
Start	2830	End	10520
GI	none	Score	.58
Exons	2830..2937, 3011..3098, 3238..3437, 3560..3596, 3631..3740, 3851..3967, 5280..5441, 5589..8498, 9368..9478, 10167..10277, 10359..10520		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o1.np	Method	AAT/NAP
Start	2833	End	4015
GI	3152609	Score	365
Exons	2833..2937, 3011..3098, 3238..3358, 3620..3740, 3851..4015		

GI Descrip. (AC004482) putative SET-domain transcriptional regulator [Arabidopsis thaliana]

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o3.tm	Method	TBLASTX:Maize
Start	3666	End	5626
GI	none	Score	105
Exons	3666..3743, 3667..3741, 3847..3882, 3863..3973, 3867..3974, 5277..5444, 5278..5442, 5280..5444, 5588..5626		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o2.np	Method	AAT/NAP
Start	5573	End	8364
GI	3152620	Score	1069
Exons	5573..6814, 6893..7358, 7428..8364		
GI Descrip.	(AC004482) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o1.tm	Method	TBLASTX:Maize
Start	6306	End	6804
GI	none	Score	232
Exons	6306..6587, 6310..6495, 6311..6604, 6562..6588, 6591..6803, 6591..6803, 6625..6804		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o4.tm	Method	TBLASTX:Maize
Start	7194	End	7374
GI	none	Score	170
Exons	7194..7367, 7197..7367, 7198..7374		

Seq. No.	7802	Seq. ID	OJ990301_10.9B03.C4
Gene No.	16432	Strand	-
Start	2830	End	11484
Name	OJ990301_10.9B03.C4.o4.np	Method	AAT/NAP
Start	10146	End	11484
GI	3152610	Score	340
Exons	10146..10277, 10359..10661, 11404..11484		
GI Descrip.	(AC004482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16433	Strand	+
Start	6809	End	10140
Name	OJ990301_10.9B03.C5.o1.gp	Method	AAT/GAP
Start	6415	End	7051
GI	none	Score	863
Exons	6415..6572, 6758..7051		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5

Gene No.	16433	Strand	+
Start	6809	End	10140
Name	OJ990301_10.9B03.C5.o1.np	Method	AAT/NAP
Start	6800	End	9933
GI	3513727	Score	1672
Exons	6800..6910, 7301..8730, 9699..9933		
GI Descrip.	(AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] gi|4539358|emb|CAB40052.1| (AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16433	Strand	+
Start	6809	End	10140
Name	OJ990301_10.9B03.C5.o2.gs	Method	GENSCAN
Start	6809	End	10140
GI	none	Score	.92
Exons	6809..8730, 9699..9895, 9995..10140		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16433	Strand	+
Start	6809	End	10140
Name	OJ990301_10.9B03.C5.o2.gp	Method	AAT/GAP
Start	7072	End	7405
GI	2427591	Score	614
Exons	7072..7405		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16433	Strand	+
Start	6809	End	10140
Name	OJ990301_10.9B03.C5.o3.gp	Method	AAT/GAP
Start	8098	End	8717
GI	16496_1.R1084	Score	1116
Exons	8098..8717		
GI Descrip.	'3513727 2.0e-52 (AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] >gi_4539358_emb_CAB40052.1_ (AL049525) putative protein [Arabidopsis thaliana]'		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16434	Strand	+
Start	12638	End	12928
Name	OJ990301_10.9B03.C5.o3.gs	Method	GENSCAN
Start	12638	End	12928
GI	none	Score	.57
Exons	12638..12928		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16435	Strand	+
Start	14119	End	14654
Name	OJ990301_10.9B03.C5.o5.gp	Method	AAT/GAP
Start	14119	End	14654
GI	none	Score	1012
Exons	14119..14654		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16436	Strand	-
Start	44	End	5951
Name	OJ990301_10.9B03.C5.o1.gs	Method	GENSCAN
Start	44	End	5951
GI	none	Score	.44
Exons	44..85, 1155..1943, 3028..3138, 3297..3467, 3919..3978, 4299..4329, 4895..5069, 5822..5951		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16437	Strand	-
Start	10459	End	13003
Name	OJ990301_10.9B03.C5.o4.gp	Method	AAT/GAP
Start	10459	End	13003
GI	14933_2.R1084	Score	1148
Exons	10459..10715, 10805..10876, 12437..12496, 12627..12677, 12793..13003		
GI Descrip.	'4769004/gb|AAD29715.1|AF140598_1 6.0e-51 (AF140598) ring-box protein 1 [Homo sapiens] >gi_4769006_gb_AAD29716.1_AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] >gi_4809216_gb_AAD30146.1_AF142059_1 (AF142059) RING finger protein [Homo sapiens]'		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16437	Strand	-
Start	10459	End	13003
Name	OJ990301_10.9B03.C5.o2.np	Method	AAT/NAP
Start	10681	End	12901
GI	4769004	Score	396
Exons	10681..10715, 10805..10876, 12437..12496, 12627..12677, 12793..12901		
GI Descrip.	(AF140598) ring-box protein 1 [Homo sapiens] gi|4769006|gb|AAD29716.1|AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] gi|4809216|gb|AAD30146.1|AF142059_1 (AF142059) RING finger protein [Homo sapiens] gi|6572304|emb|CAB62925.1| (AL080242) bA554C12.1 (RBX1 or ROC1 (ring-box or ring finger protein 1)) [Homo sapiens]		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o1.tw	Method	TBLASTX:Wheat
Start	6787	End	7111
GI	none	Score	128
Exons	6787..6900, 6797..6907, 6800..6898, 6875..7012, 6904..7032, 6914..7039, 6915..7040, 6984..7100, 7027..7107, 7031..7111, 7033..7107		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o3.tm	Method	TBLASTX:Maize
Start	6801	End	7108
GI	none	Score	117
Exons	6801..6899, 6802..6915, 6805..6942, 6915..7094, 6918..7037, 6919..7107, 6920..7108		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o5.tm	Method	TBLASTX:Maize
Start	7282	End	7474
GI	none	Score	270
Exons	7282..7473, 7283..7474		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o1.ts	Method	TBLASTX:Soybean
Start	7396	End	9897
GI	none	Score	93
Exons	7396..7464, 7397..7465, 7454..7528, 7531..8730, 7532..8731, 9682..9897, 9696..9896		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o1.tc	Method	TBLASTX:Cress
Start	7403	End	9771
GI	none	Score	71
Exons	7403..7678, 7760..8554, 7763..8353, 7780..8562, 8540..8689, 8542..8595, 8546..8683, 8683..8730, 8687..8731, 8697..8735, 9682..9771		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o1.tm	Method	TBLASTX:Maize
Start	7475	End	9926
GI	none	Score	73
Exons	7475..7678, 7571..7672, 7594..8730, 7594..8730, 7595..8731, 8034..8741, 9682..9918, 9695..9874, 9696..9926, 9697..9912		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o2.tw	Method	TBLASTX:Wheat
Start	8048	End	9871
GI	none	Score	63
Exons	8048..8242, 8624..8731, 8625..8729, 8659..8730, 9682..9861, 9692..9871, 9696..9863, 9697..9870		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o4.ts	Method	TBLASTX:Soybean
Start	10678	End	12851
GI	none	Score	106
Exons	10678..10716, 10788..10928, 10807..10887, 12435..12494, 12436..12495, 12625..12678, 12626..12679, 12789..12851, 12794..12838		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-

Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o6.tm	Method	TBLASTX:Maize
Start	10678	End	12842
GI	none	Score	49
Exons	10678..10716, 10685..10705, 10788..10928, 10810..10887, 12435..12494, 12436..12495, 12625..12678, 12629..12679, 12789..12842, 12794..12838		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o3.np	Method	AAT/NAP
Start	13123	End	19283
GI	3785975	Score	248
Exons	13123..13185, 16680..16808, 16954..17151, 17606..17701, 17940..18068, 18255..18411, 18513..18729, 19013..19283		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o4.tm	Method	TBLASTX:Maize
Start	14541	End	16052
GI	none	Score	90
Exons	14541..14657, 14553..14666, 14664..14765, 14669..14767, 14671..14763, 14672..14791, 15848..16051, 15852..16052		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o4.gs	Method	GENSCAN
Start	14553	End	20337
GI	none	Score	.76
Exons	14553..14762, 15851..16111, 16686..16808, 16954..17148, 17606..17779, 17934..18068, 18294..18414, 18513..18627, 18947..19248, 20081..20337		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o3.ts	Method	TBLASTX:Soybean
Start	14688	End	16115
GI	5605829	Score	54
Exons	14688..14765, 15839..15916, 15846..15920, 15906..16016, 15908..16012, 15989..16111, 16002..16115		
GI Descrip.	-		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o2.tm	Method	TBLASTX:Maize
Start	16052	End	16588
GI	none	Score	84
Exons	16052..16111, 16053..16115, 16222..16368, 16236..16358, 16237..16359, 16450..16578, 16470..16583, 16472..16588, 16481..16579		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o2.ts	Method	TBLASTX:Soybean
Start	16469	End	18366
GI	none	Score	98
Exons	16469..16588, 16486..16587, 16686..16811, 16686..16808, 16732..16812, 16908..17150, 16908..17150, 16948..17151, 16951..17154, 16967..17164, 17601..17693, 17603..17785, 17606..17788, 17934..18044, 17935..18042, 17952..18044, 18219..18344, 18219..18347, 18250..18366		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o6.gp	Method	AAT/GAP
Start	17014	End	18015
GI	428928	Score	738
Exons	17014..17148, 17606..17779, 17934..18015		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o4.np	Method	AAT/NAP
Start	17905	End	19283
GI	3785975	Score	162
Exons	17905..18068, 18255..18411, 18513..18729, 19013..19283		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o2.tc	Method	TBLASTX:Cress
Start	18366	End	19283
GI	none	Score	42
Exons	18366..18431, 18366..18464, 18370..18450, 18504..18584, 18506..18628, 18512..18628, 18529..18645, 18948..19247, 18948..19283, 18949..19269		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o7.gp	Method	AAT/GAP
Start	18976	End	20257
GI	none	Score	931
Exons	18976..19290, 20081..20257		

Seq. No.	7803	Seq. ID	OJ990301_10.9B03.C5
Gene No.	16438	Strand	-
Start	13123	End	20337
Name	OJ990301_10.9B03.C5.o5.ts	Method	TBLASTX:Soybean
Start	19081	End	19271
GI	none	Score	106
Exons	19081..19236, 19086..19271		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16439	Strand	+

Start	891	End	1118
Name	OJ990301_10.9B03.C6.o1.gs	Method	GENSCAN
Start	891	End	1118
GI	none	Score	.82
Exons	891..1118		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o1.gp	Method	AAT/GAP
Start	1623	End	3150
GI	75483_2.R1084	Score	1151
Exons	1623..1826, 1939..2104, 2878..3150		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o1.np	Method	AAT/NAP
Start	1780	End	5698
GI	2462781	Score	1304
Exons	1780..1826, 1939..2104, 2878..3225, 3309..3415, 4208..4336, 4424..4491, 4581..4641, 4732..4820, 4985..5117, 5677..5698		
GI Descrip.	(U73175) carbamoyl phosphate synthetase small subunit [Arabidopsis thaliana]		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o2.tm	Method	TBLASTX:Maize
Start	1783	End	2923
GI	none	Score	59
Exons	1783..1830, 1784..1831, 1943..2113, 1944..2108, 2878..2922, 2879..2923		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o2.ts	Method	TBLASTX:Soybean
Start	1935	End	2935
GI	none	Score	169
Exons	1935..2105, 1943..2113, 1944..2105, 2878..2934, 2882..2935		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o1.tc	Method	TBLASTX:Cress
Start	1943	End	5191
GI	none	Score	170
Exons	1943..2113, 1944..2105, 1945..2106, 2878..3225, 2882..3226, 3337..3417, 3339..3416, 4201..4335, 4203..4337, 4203..4334, 4425..4493, 4428..4484, 4430..4492, 4583..4660, 4584..4622, 4586..4642, 4733..4819, 4734..4820, 4740..4823, 4982..5191, 4984..5112		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o2.gs	Method	GENSCAN
Start	2866	End	5631
GI	none	Score	.86
Exons	2866..3225, 3309..3415, 4208..4336, 4424..4491, 4985..5111, 5279..5321, 5571..5631		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o1.tm	Method	TBLASTX:Maize
Start	2923	End	5109
GI	none	Score	367
Exons	2923..2949, 2953..3228, 2953..3225, 2957..3229, 2958..3233, 3306..3416, 3307..3417, 4201..4335, 4203..4334, 4208..4339, 4421..4492, 4425..4490, 4581..4631, 4581..4637, 4583..4660, 4732..4818, 4733..4819, 4733..4819, 4734..4823, 4984..5109, 4985..5107		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o3.ts	Method	TBLASTX:Soybean
Start	3059	End	3228
GI	none	Score	182
Exons	3059..3226, 3061..3228, 3061..3225		

Seq. No.	7804	Seq. ID	OJ990301_10.9B03.C6
Gene No.	16440	Strand	-
Start	1623	End	5698
Name	OJ990301_10.9B03.C6.o1.ts	Method	TBLASTX:Soybean
Start	3363	End	5109
GI	none	Score	103
Exons	3363..3416, 4201..4335, 4206..4334, 4425..4493, 4583..4642, 4736..4819, 4743..4820, 4743..4823, 4744..4827, 4976..5107, 4982..5107, 4984..5109		

Seq. No.	7805	Seq. ID	OJ990301_10.9B03.C10
Gene No.	16441	Strand	-
Start	312	End	886
Name	OJ990301_10.9B03.C10.o1.gs	Method	GENSCAN
Start	312	End	886
GI	none	Score	.69
Exons	312..368, 770..886		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16442	Strand	+
Start	15764	End	17603
Name	OJ990301_10.9B03.C12.o2.np	Method	AAT/NAP
Start	15764	End	17603
GI	6523547	Score	94
Exons	15764..16258, 16564..16678, 17526..17603		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16443	Strand	-
Start	1	End	13315
Name	OJ990301_10.9B03.C12.o1.gp	Method	AAT/GAP
Start	1	End	710
GI	none	Score	966
Exons	1..244, 429..710		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16443	Strand	-
Start	1	End	13315
Name	OJ990301_10.9B03.C12.o1.gs	Method	GENSCAN
Start	550	End	13315
GI	none	Score	.78
Exons	550..855, 934..1170, 1515..1652, 1738..2118, 3343..3471, 3592..3696, 3817..4134, 4529..4787, 4980..5299, 5621..5918, 6013..6128, 6209..6600, 6856..6883, 6914..6985, 7236..7398, 7554..7645, 8242..8353, 8439..8589, 8684..8957, 9356..9518, 9768..9952, 11300..12246, 12913..13315		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16443	Strand	-
Start	1	End	13315
Name	OJ990301_10.9B03.C12.o1.np	Method	AAT/NAP
Start	573	End	5523
GI	4704754	Score	280
Exons	573..929, 972..1170, 1509..1672, 1738..2118, 3331..3471, 3592..3663, 3817..3903, 5498..5523		
GI Descrip.	(AF127765) calpain 3; calcium activated neutral protease; CAPN3; CL1 [Homo sapiens]		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16443	Strand	-
Start	1	End	13315
Name	OJ990301_10.9B03.C12.o2.gp	Method	AAT/GAP
Start	1118	End	3857
GI	24913_1.R1084	Score	1564
Exons	1118..1170, 1515..1652, 1738..2118, 3343..3471, 3592..3696, 3817..3857		
GI Descrip.	'465763/sp|P34308|YKR2_CAEEL 4.0e-45 HYPOTHETICAL 70.9 KD PROTEIN C06G4.2 IN CHROMOSOME III >gi_630525_pir__S44749 C06G4.2 protein - Caenorhabditis elegans >gi_409293 (L25598) homology with calpain; putative [Caenorhabditis elegans]'		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o1.tm	Method	TBLASTX:Maize
Start	391	End	1890
GI	none	Score	54
Exons	391..465, 398..469, 524..856, 526..864, 526..864, 934..1167, 934..1173, 938..1174, 1515..1667, 1516..1668, 1516..1668, 1735..1890, 1736..1882, 1738..1887		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440

Name	OJ990301_10.9B03.C12.o1.ts	Method	TBLASTX:Soybean
Start	494	End	1152
GI	none	Score	354
Exons	494..856, 547..864, 548..856, 598..864, 934..1152, 938..1150		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o2.tc	Method	TBLASTX:Cress
Start	1093	End	1876
GI	none	Score	101
Exons	1093..1173, 1094..1174, 1095..1178, 1515..1658, 1515..1667, 1516..1665, 1735..1875, 1736..1876, 1736..1876		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o2.ts	Method	TBLASTX:Soybean
Start	3407	End	4793
GI	none	Score	77
Exons	3407..3478, 3409..3474, 3586..3696, 3587..3697, 3811..4059, 3816..4037, 3887..4039, 4036..4137, 4042..4134, 4047..4136, 4436..4789, 4463..4789, 4467..4793		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o1.tc	Method	TBLASTX:Cress
Start	3442	End	4616
GI	none	Score	80
Exons	3442..3474, 3592..3696, 3602..3697, 3811..4137, 3812..4069, 3946..4131, 4463..4606, 4463..4612, 4467..4616		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o3.tm	Method	TBLASTX:Maize
Start	3454	End	3970
GI	none	Score	35
Exons	3454..3474, 3455..3475, 3586..3696, 3587..3697, 3587..3697, 3592..3699, 3811..3969, 3812..3970		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o2.tm	Method	TBLASTX:Maize
Start	4434	End	4793
GI	none	Score	64
Exons	4434..4715, 4434..4475, 4435..4485, 4475..4789, 4476..4790, 4764..4793		

Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o3.tc	Method	TBLASTX:Cress
Start	4643	End	5282
GI	none	Score	92

Exons	4643..4789, 4644..4790, 4936..5151, 4955..5281, 4962..5282		
Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o4.tm	Method	TBLASTX:Maize
Start	4955	End	5209
GI	none	Score	185
Exons	4955..5128, 4958..5122, 4965..5129, 5126..5206, 5127..5204, 5129..5209		
Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o4.tc	Method	TBLASTX:Cress
Start	6269	End	6586
GI	none	Score	123
Exons	6269..6364, 6269..6364, 6386..6544, 6398..6586, 6399..6581		
Seq. No.	7806	Seq. ID	OJ990301_10.9B03.C12
Gene No.	16444	Strand	-
Start	15316	End	19440
Name	OJ990301_10.9B03.C12.o2.gs	Method	GENSCAN
Start	15316	End	19440
GI	none	Score	.4
Exons	15316..15336, 15866..16064, 16274..16826, 19397..19440		
Seq. No.	7807	Seq. ID	OJ990301_10.9B03.C13
Gene No.	16445	Strand	-
Start	641	End	4445
Name	OJ990301_10.9B03.C13.o1.np	Method	AAT/NAP
Start	641	End	4445
GI	6721547	Score	89
Exons	641..720, 4337..4445		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	7808	Seq. ID	OJ990301_10.9B03.C14
Gene No.	16446	Strand	+
Start	1157	End	1660
Name	OJ990301_10.9B03.C14.o1.gs	Method	GENSCAN
Start	1157	End	1660
GI	none	Score	.7
Exons	1157..1660		
Seq. No.	7809	Seq. ID	OJ990301_10.9B03.C15
Gene No.	16447	Strand	+
Start	257	End	686
Name	OJ990301_10.9B03.C15.o1.gs	Method	GENSCAN
Start	257	End	686
GI	none	Score	.45
Exons	257..334, 511..686		
Seq. No.	7810	Seq. ID	OJ990701_14.9B19.C4
Gene No.	16448	Strand	-
Start	681	End	766
Name	OJ990701_14.9B19.C4.o1.gs	Method	GENSCAN
Start	681	End	766

GI	none	Score	.47
Exons	681..766		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16449	Strand	+
Start	7756	End	8055
Name	OJ990701_14.9B19.C5.o2.gs	Method	GENSCAN
Start	7756	End	8055
GI	none	Score	.57
Exons	7756..8055		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16450	Strand	+
Start	9191	End	11871
Name	OJ990701_14.9B19.C5.o1.gp	Method	AAT/GAP
Start	8998	End	9367
GI	3106852	Score	598
Exons	8998..9367		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16450	Strand	+
Start	9191	End	11871
Name	OJ990701_14.9B19.C5.o3.gs	Method	GENSCAN
Start	9191	End	11871
GI	none	Score	.53
Exons	9191..9324, 10337..10422, 10554..10721, 11287..11402, 11659..11871		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16451	Strand	+
Start	12576	End	14812
Name	OJ990701_14.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	10606	End	10789
GI	none	Score	191
Exons	10606..10788, 10607..10789		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16451	Strand	+
Start	12576	End	14812
Name	OJ990701_14.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	10625	End	11195
GI	none	Score	110
Exons	10625..10792, 10643..10774, 10827..11039, 10844..11122, 10845..11162, 11148..11195		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16451	Strand	+
Start	12576	End	14812
Name	OJ990701_14.9B19.C5.o4.gs	Method	GENSCAN
Start	12576	End	14710
GI	none	Score	.67
Exons	12576..12647, 13679..14045, 14061..14710		

Seq. No.	7811	Seq. ID	OJ990701_14.9B19.C5
Gene No.	16451	Strand	+

Start	12576	End	14812
Name	OJ990701_14.9B19.C5.o1.np	Method	AAT/NAP
Start	13688	End	14812
GI	5803259	Score	709
Exons	13688..14451, 14482..14812		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16452	Strand	+
Start	1	End	4753
Name	OJ990701_14.9B19.C6.o3.np	Method	AAT/NAP
Start	1	End	4753
GI	6466937	Score	761
Exons	1..42, 2358..3658, 4732..4753		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	876
GI	6721562	Score	240
Exons	1..84, 390..876		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o2.np	Method	AAT/NAP
Start	226	End	2744
GI	5042463	Score	129
Exons	226..262, 1777..2140, 2706..2744		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o2.gs	Method	GENSCAN
Start	2154	End	3787
GI	none	Score	.49
Exons	2154..2340, 2371..2550, 3024..3787		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	2325	End	2618
GI	none	Score	305
Exons	2325..2618, 2357..2617		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-

Start	1	End	3787
Name	OJ990701_14.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	2451	End	3043
GI	none	Score	511
Exons	2451..2942, 2555..2941, 2939..3043, 2941..3042		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	2487	End	2858
GI	none	Score	332
Exons	2487..2858, 2505..2768, 2588..2848		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o3.tw	Method	TBLASTX:Wheat
Start	2706	End	3055
GI	none	Score	162
Exons	2706..2942, 2951..3055		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	3049	End	3685
GI	none	Score	298
Exons	3049..3405, 3050..3415, 3479..3685, 3485..3661		

Seq. No.	7812	Seq. ID	OJ990701_14.9B19.C6
Gene No.	16453	Strand	-
Start	1	End	3787
Name	OJ990701_14.9B19.C6.o2.tw	Method	TBLASTX:Wheat
Start	3115	End	3451
GI	none	Score	269
Exons	3115..3423, 3173..3451		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16454	Strand	+
Start	749	End	7231
Name	OJ990701_14.9B19.C7.o1.gs	Method	GENSCAN
Start	749	End	7231
GI	none	Score	.47
Exons	749..915, 1358..1501, 2199..2424, 3178..3325, 3424..3607, 3798..3867, 4459..4534, 5044..5162, 5287..6141, 6242..6400, 6950..7231		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16454	Strand	+
Start	749	End	7231
Name	OJ990701_14.9B19.C7.o1.gp	Method	AAT/GAP
Start	3212	End	3711
GI	3763431	Score	586
Exons	3212..3322, 3469..3711		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7

Gene No.	16454	Strand	+
Start	749	End	7231
Name	OJ990701_14.9B19.C7.o2.gp	Method	AAT/GAP
Start	3703	End	5397
GI	none	Score	774
Exons	3703..3867, 5044..5201, 5287..5397		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16455	Strand	+
Start	12353	End	19655
Name	OJ990701_14.9B19.C7.o3.gs	Method	GENSCAN
Start	12353	End	19655
GI	none	Score	.64
Exons	12353..12400, 13371..13418, 15439..15460, 16226..16554, 16619..16847, 16938..17177, 17537..17673, 17945..18199, 18213..18258, 18600..18733, 18991..19111, 19537..19655		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	28953
GI	6721512	Score	198
Exons	1..32, 1239..1305, 10942..10986, 11029..11161, 11189..11305, 27263..27307, 28839..28953		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o4.tm	Method	TBLASTX:Maize
Start	5389	End	6298
GI	none	Score	111
Exons	5389..5622, 5680..5817, 5863..5970, 6043..6120, 6239..6298		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o2.gs	Method	GENSCAN
Start	9480	End	10347
GI	none	Score	.4
Exons	9480..9529, 9624..9747, 10054..10220, 10245..10347		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o4.gs	Method	GENSCAN
Start	20037	End	26422
GI	none	Score	.56
Exons	20037..20977, 21092..21227, 21290..21970, 22098..22276, 22504..22803, 22890..23247, 23583..24293, 24423..24718, 24774..25469, 25487..25685, 25690..25876, 26283..26422		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o2.np	Method	AAT/NAP

Start	20040	End	24062
GI	4206306	Score	2903
Exons	20040..23926, 24017..24062		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o6.tw	Method	TBLASTX:Wheat
Start	20049	End	20636
GI	none	Score	108
Exons	20049..20174, 20367..20498, 20526..20636		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o2.ts	Method	TBLASTX:Soybean
Start	20616	End	20990
GI	none	Score	80
Exons	20616..20840, 20847..20990		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	20634	End	20993
GI	none	Score	215
Exons	20634..20993, 20641..20901		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o4.tw	Method	TBLASTX:Wheat
Start	20763	End	21152
GI	none	Score	228
Exons	20763..21152		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o2.tw	Method	TBLASTX:Wheat
Start	21467	End	21899
GI	none	Score	114
Exons	21467..21898, 21474..21758, 21783..21899		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o4.np	Method	AAT/NAP
Start	21651	End	34216
GI	3413391	Score	101
Exons	21651..21787, 24309..24365, 24985..25186, 32085..32196, 33794..34216		
GI Descrip.	(AL031231) hypothetical protein SC3C3.03c [Streptomyces coelicolor]		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7

Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	22208	End	22549
GI	none	Score	79
Exons	22208..22549, 22392..22499		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	22268	End	22651
GI	none	Score	171
Exons	22268..22651, 22281..22541		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	22391	End	22810
GI	none	Score	93
Exons	22391..22810, 22404..22541, 22641..22808		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o3.tm	Method	TBLASTX:Maize
Start	22679	End	23034
GI	none	Score	152
Exons	22679..22945, 22680..22925, 22942..23034		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o3.tw	Method	TBLASTX:Wheat
Start	22811	End	23139
GI	none	Score	95
Exons	22811..22945, 22812..22928, 22939..23139, 22940..23137		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o5.tw	Method	TBLASTX:Wheat
Start	23367	End	23726
GI	none	Score	79
Exons	23367..23543, 23368..23556, 23595..23726		

Seq. No.	7813	Seq. ID	OJ990701_14.9B19.C7
Gene No.	16456	Strand	-
Start	1	End	35111
Name	OJ990701_14.9B19.C7.o5.gs	Method	GENSCAN
Start	28348	End	35111
GI	none	Score	.5
Exons	28348..28375, 28433..28597, 28794..29012, 30099..30269, 33818..34234, 34277..34373, 34584..34704, 34770..35111		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8

Gene No.	16457	Strand	+
Start	1212	End	2375
Name	OJ990701_14.9B19.C8.o1.np	Method	AAT/NAP
Start	1212	End	2375
GI	6815099	Score	90
Exons	1212..1367, 2229..2375		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8
Gene No.	16458	Strand	+
Start	6150	End	7539
Name	OJ990701_14.9B19.C8.o1.gs	Method	GENSCAN
Start	6150	End	7539
GI	none	Score	.79
Exons	6150..6206, 7031..7207, 7330..7539		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8
Gene No.	16459	Strand	-
Start	9642	End	14271
Name	OJ990701_14.9B19.C8.o2.gs	Method	GENSCAN
Start	9642	End	14271
GI	none	Score	.67
Exons	9642..9932, 10097..10169, 10253..10384, 10458..10631, 10738..11495, 11651..11755, 11888..12073, 12128..12417, 12648..12809, 12960..13086, 13189..13327, 13952..14026, 14175..14271		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8
Gene No.	16459	Strand	-
Start	9642	End	14271
Name	OJ990701_14.9B19.C8.o2.np	Method	AAT/NAP
Start	9652	End	13323
GI	4680204	Score	843
Exons	9652..9883, 10233..10363, 10458..10624, 10717..11792, 11888..13323		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8
Gene No.	16459	Strand	-
Start	9642	End	14271
Name	OJ990701_14.9B19.C8.o2.tw	Method	TBLASTX:Wheat
Start	11583	End	11959
GI	none	Score	54
Exons	11583..11798, 11725..11799, 11882..11959		

Seq. No.	7814	Seq. ID	OJ990701_14.9B19.C8
Gene No.	16459	Strand	-
Start	9642	End	14271
Name	OJ990701_14.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	12236	End	12574
GI	none	Score	36
Exons	12236..12268, 12242..12262, 12272..12409, 12273..12353, 12457..12573, 12476..12574		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16460	Strand	+
Start	489	End	934

Name	OJ990701_14.9B19.C9.o1.gp	Method	AAT/GAP
Start	489	End	934
GI	LIB3431-028-P1-N1-A10	Score	747
Exons	489..560, 588..934		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o1.gs	Method	GENSCAN
Start	553	End	2441
GI	none	Score	.7
Exons	553..1238, 1287..1596, 1969..2441		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	628	End	1945
GI	none	Score	53
Exons	628..720, 629..694, 709..789, 802..915, 803..916, 890..985, 922..981, 986..1033, 988..1053, 993..1034, 1057..1944, 1058..1363, 1400..1945		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o1.np	Method	AAT/NAP
Start	1112	End	2461
GI	6742729	Score	2107
Exons	1112..2461		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	1210	End	1657
GI	none	Score	89
Exons	1210..1359, 1210..1653, 1214..1363, 1244..1657, 1400..1657		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	1588	End	1902
GI	none	Score	124
Exons	1588..1902, 1616..1888		

Seq. No.	7815	Seq. ID	OJ990701_14.9B19.C9
Gene No.	16461	Strand	-
Start	553	End	2461
Name	OJ990701_14.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	1946	End	2356
GI	none	Score	81
Exons	1946..2032, 1946..2026, 1948..2031, 2065..2307, 2105..2287,		

2293..2355, 2306..2356

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16462	Strand	+
Start	567	End	948
Name	OJ990701_14.9B19.C10.o1.gp	Method	AAT/GAP
Start	567	End	948
GI	uC-osflcyp033a04b1	Score	659
Exons	567..948		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16463	Strand	+
Start	3603	End	9759
Name	OJ990701_14.9B19.C10.o4.np	Method	AAT/NAP
Start	3603	End	9284
GI	6705984	Score	1728
Exons	3603..3631, 7499..8682, 8715..9284		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16463	Strand	+
Start	3603	End	9759
Name	OJ990701_14.9B19.C10.o3.np	Method	AAT/NAP
Start	4566	End	5492
GI	6016874	Score	80
Exons	4566..4672, 5269..5492		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16463	Strand	+
Start	3603	End	9759
Name	OJ990701_14.9B19.C10.o4.gs	Method	GENSCAN
Start	7054	End	9759
GI	none	Score	.48
Exons	7054..7208, 7701..7735, 9593..9759		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16464	Strand	+
Start	11106	End	11448
Name	OJ990701_14.9B19.C10.o5.gs	Method	GENSCAN
Start	11106	End	11448
GI	none	Score	.73
Exons	11106..11291, 11341..11448		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16465	Strand	+
Start	12244	End	14311
Name	OJ990701_14.9B19.C10.o6.gs	Method	GENSCAN
Start	12244	End	14311
GI	none	Score	.47
Exons	12244..12310, 13536..13643, 13746..13847, 14214..14311		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10

Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o2.np	Method	AAT/NAP
Start	1	End	4358
GI	4680203	Score	1670
Exons	1..23, 1652..3079, 4335..4358		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o1.np	Method	AAT/NAP
Start	500	End	5549
GI	4680186	Score	370
Exons	500..700, 1539..1596, 5529..5549		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o3.gp	Method	AAT/GAP
Start	1626	End	3075
GI	342_1.R1084	Score	2259
Exons	1626..3075		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	1656	End	2111
GI	none	Score	45
Exons	1656..1850, 1860..1979, 1860..1985, 1979..2101, 1980..2111		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	1690	End	2159
GI	none	Score	111
Exons	1690..1899, 1695..1919, 1768..1896, 1899..1979, 1899..1985, 1900..1986, 2000..2104, 2004..2105, 2102..2158, 2106..2159		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o2.gs	Method	GENSCAN
Start	1746	End	3079
GI	none	Score	.8
Exons	1746..1930, 2386..3079		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	1979	End	2294

GI	none	Score	43
Exons	1979..2287, 2007..2093, 2142..2294		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	2027	End	2456
GI	none	Score	106
Exons	2027..2323, 2045..2269, 2046..2291, 2373..2456, 2381..2455		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	2374	End	2773
GI	none	Score	205
Exons	2374..2619, 2385..2627, 2387..2638, 2388..2630, 2621..2773, 2643..2705		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o4.gp	Method	AAT/GAP
Start	2940	End	3565
GI	2310235	Score	293
Exons	2940..3079, 3528..3565		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o3.gs	Method	GENSCAN
Start	3692	End	6067
GI	none	Score	.45
Exons	3692..3906, 4072..4098, 4615..4838, 5026..5166, 5303..5482, 6018..6067		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o5.gp	Method	AAT/GAP
Start	4380	End	5008
GI	58108_1.R1084	Score	1229
Exons	4380..5008		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-17 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16466	Strand	-
Start	1	End	6067
Name	OJ990701_14.9B19.C10.o6.gp	Method	AAT/GAP
Start	4945	End	5647
GI	none	Score	1219
Exons	4945..5647		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16467	Strand	
Start	7492	End	8173
Name	OJ990701_14.9B19.C10.o4.tm	Method	TBLASTX:Maize
Start	7492	End	7911
GI	none	Score	187
Exons	7492..7911		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16467	Strand	
Start	7492	End	8173
Name	OJ990701_14.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	7606	End	7865
GI	none	Score	257
Exons	7606..7863, 7611..7865		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16467	Strand	
Start	7492	End	8173
Name	OJ990701_14.9B19.C10.o3.tw	Method	TBLASTX:Wheat
Start	7786	End	8173
GI	none	Score	198
Exons	7786..7923, 7788..7922, 7790..7927, 7938..8003, 7938..8000, 7992..8015, 7993..8022, 8022..8072, 8023..8070, 8070..8171, 8083..8172, 8087..8173		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16468	Strand	
Start	8126	End	8542
Name	OJ990701_14.9B19.C10.o2.tc	Method	TBLASTX:Cress
Start	8126	End	8460
GI	none	Score	184
Exons	8126..8344, 8323..8433, 8350..8460, 8352..8447		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16468	Strand	
Start	8126	End	8542
Name	OJ990701_14.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	8206	End	8542
GI	none	Score	137
Exons	8206..8343, 8207..8350, 8213..8392, 8347..8454, 8350..8448, 8352..8453, 8446..8541, 8447..8542		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16469	Strand	
Start	8714	End	9135
Name	OJ990701_14.9B19.C10.o4.tw	Method	TBLASTX:Wheat
Start	8714	End	9086
GI	none	Score	122
Exons	8714..8833, 8715..8834, 8829..9059, 8837..8989, 8837..9085, 8838..9086		

Seq. No.	7816	Seq. ID	OJ990701_14.9B19.C10
Gene No.	16469	Strand	
Start	8714	End	9135
Name	OJ990701_14.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	8864	End	9135

GI	none	Score	274
Exons	8864..9133, 8865..9134, 8866..9135		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16470	Strand	+
Start	687	End	6027
Name	OJ990701_14.9B19.C11.o1.gs	Method	GENSCAN
Start	687	End	6027
GI	none	Score	.42
Exons	687..757, 4266..4694, 4823..4949, 5731..6027		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16470	Strand	+
Start	687	End	6027
Name	OJ990701_14.9B19.C11.o1.gp	Method	AAT/GAP
Start	4253	End	5819
GI	none	Score	1102
Exons	4253..4694, 4823..4949, 5792..5819		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16470	Strand	+
Start	687	End	6027
Name	OJ990701_14.9B19.C11.o1.np	Method	AAT/NAP
Start	4591	End	6010
GI	2244917	Score	259
Exons	4591..4694, 4823..4949, 5792..6010		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16471	Strand	+
Start	8985	End	9153
Name	OJ990701_14.9B19.C11.o2.gp	Method	AAT/GAP
Start	8985	End	9153
GI	none	Score	278
Exons	8985..9153		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16472	Strand	+
Start	11481	End	13080
Name	OJ990701_14.9B19.C11.o2.gs	Method	GENSCAN
Start	11481	End	13080
GI	none	Score	.7
Exons	11481..11664, 13061..13080		

Seq. No.	7817	Seq. ID	OJ990701_14.9B19.C11
Gene No.	16473	Strand	-
Start	9213	End	10553
Name	OJ990701_14.9B19.C11.o3.gp	Method	AAT/GAP
Start	9213	End	10553
GI	uC-osflcyp143h03b1	Score	811
Exons	9213..9288, 10109..10438, 10501..10553		
GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633

Name	OJ990701_14.9B19.C12.o1.gs	Method	GENSCAN
Start	308	End	6355
GI	none	Score	.47
Exons	308..2936, 3312..3462, 3568..3904, 3989..4399, 4493..4791, 4868..5126, 5219..5401, 5467..5504, 5595..5726, 5790..5837, 5842..6044, 6195..6355		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o1.np	Method	AAT/NAP
Start	761	End	6076
GI	5441880	Score	4717
Exons	761..1766, 2211..2242, 2501..2816, 3312..3462, 3568..3904, 4493..4791, 4868..5126, 5371..5444, 5481..5504, 5595..5726, 5842..6076		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	1322	End	1918
GI	none	Score	93
Exons	1322..1450, 1330..1428, 1484..1783, 1501..1722, 1847..1918		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o1.gp	Method	AAT/GAP
Start	1365	End	1796
GI	5701669	Score	841
Exons	1365..1796		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	1616	End	1996
GI	none	Score	208
Exons	1616..1810, 1625..1822, 1816..1935, 1820..1996, 1820..1966		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o2.gp	Method	AAT/GAP
Start	4619	End	5118
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4619..4791, 4868..5118		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	7818	Seq. ID	OJ990701_14.9B19.C12
Gene No.	16474	Strand	+
Start	308	End	6633
Name	OJ990701_14.9B19.C12.o3.gp	Method	AAT/GAP
Start	6180	End	6633
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	6180..6633		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7819	Seq. ID	OJ990701_14.9B19.C13
Gene No.	16475	Strand	+
Start	1501	End	2306
Name	OJ990701_14.9B19.C13.o1.gs	Method	GENSCAN
Start	1501	End	2306
GI	none	Score	.4
Exons	1501..1609, 1649..1850, 2181..2212, 2266..2306		

Seq. No.	7819	Seq. ID	OJ990701_14.9B19.C13
Gene No.	16476	Strand	-
Start	2517	End	8949
Name	OJ990701_14.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	2399	End	2947
GI	none	Score	155
Exons	2399..2581, 2633..2947		

Seq. No.	7819	Seq. ID	OJ990701_14.9B19.C13
Gene No.	16476	Strand	-
Start	2517	End	8949
Name	OJ990701_14.9B19.C13.o2.gs	Method	GENSCAN
Start	2517	End	8949
GI	none	Score	.52
Exons	2517..2642, 3515..3600, 4738..4905, 6324..6683, 8796..8949		

Seq. No.	7820	Seq. ID	OJ990701_14.9B19.C14
Gene No.	16477	Strand	-
Start	1	End	2295
Name	OJ990701_14.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	2295
GI	5091513	Score	914
Exons	1..57, 701..2295		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	7820	Seq. ID	OJ990701_14.9B19.C14
Gene No.	16477	Strand	-
Start	1	End	2295
Name	OJ990701_14.9B19.C14.o1.gs	Method	GENSCAN
Start	306	End	1976
GI	none	Score	.67
Exons	306..405, 622..821, 823..950, 975..1176, 1220..1439, 1444..1976		

Seq. No.	7821	Seq. ID	OJ990701_14.9B19.C16
Gene No.	16478	Strand	-
Start	1	End	478
Name	OJ990701_14.9B19.C16.o1.gp	Method	AAT/GAP
Start	1	End	162

GI	3106852	Score	264
Exons	1..162		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	7821	Seq. ID	OJ990701_14.9B19.C16
Gene No.	16478	Strand	-
Start	1	End	478
Name	OJ990701_14.9B19.C16.o1.np	Method	AAT/NAP
Start	1	End	478
GI	2832245	Score	177
Exons	1..32, 171..478		
GI Descrip.	(AF031569) hypothetical protein [Zea mays]		

Seq. No.	7821	Seq. ID	OJ990701_14.9B19.C16
Gene No.	16478	Strand	-
Start	1	End	478
Name	OJ990701_14.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	222	End	476
GI	none	Score	72
Exons	222..476, 282..449, 289..450		

Seq. No.	7822	Seq. ID	OJ990701_13.9B05.C1
Gene No.	16479	Strand	+
Start	1	End	728
Name	OJ990701_13.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	728
GI	418604	Score	571
Exons	1..374, 702..728		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	7822	Seq. ID	OJ990701_13.9B05.C1
Gene No.	16479	Strand	+
Start	1	End	728
Name	OJ990701_13.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	318	End	478
GI	none	Score	202
Exons	318..476, 324..476, 325..477, 332..478, 359..478		

Seq. No.	7822	Seq. ID	OJ990701_13.9B05.C1
Gene No.	16479	Strand	+
Start	1	End	728
Name	OJ990701_13.9B05.C1.o2.np	Method	AAT/NAP
Start	438	End	728
GI	1196996	Score	506
Exons	438..728		
GI Descrip.	(J01829) unknown protein [Transposon Tn10]		

Seq. No.	7823	Seq. ID	OJ990701_13.9B05.C4
Gene No.	16480	Strand	+
Start	351	End	641
Name	OJ990701_13.9B05.C4.o1.gs	Method	GENSCAN
Start	351	End	641
GI	none	Score	.82
Exons	351..641		

Seq. No.	7823	Seq. ID	OJ990701_13.9B05.C4
Gene No.	16481	Strand	+
Start	1045	End	1734
Name	OJ990701_13.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	375	End	1734
GI	none	Score	45
Exons	375..410, 418..582, 429..602, 431..517, 447..611, 903..1121, 904..1122, 905..1126, 1241..1369, 1244..1363, 1469..1630, 1501..1593, 1627..1698, 1652..1687, 1687..1734, 1688..1732		

Seq. No.	7823	Seq. ID	OJ990701_13.9B05.C4
Gene No.	16481	Strand	+
Start	1045	End	1734
Name	OJ990701_13.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	450	End	1333
GI	none	Score	78
Exons	450..602, 889..1122, 1241..1333		

Seq. No.	7823	Seq. ID	OJ990701_13.9B05.C4
Gene No.	16481	Strand	+
Start	1045	End	1734
Name	OJ990701_13.9B05.C4.o2.gs	Method	GENSCAN
Start	1045	End	1699
GI	none	Score	.63
Exons	1045..1121, 1240..1375, 1484..1699		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16482	Strand	+
Start	9194	End	9323
Name	OJ990701_13.9B05.C5.o2.np	Method	AAT/NAP
Start	9194	End	9323
GI	1334366	Score	155
Exons	9194..9323		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16483	Strand	+
Start	9323	End	9391
Name	OJ990701_13.9B05.C5.o3.np	Method	AAT/NAP
Start	9323	End	9391
GI	82521	Score	112
Exons	9323..9391		
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|2130153|pir||S58624 hypothetical protein 23 - maize chloroplast gi|12043|emb|CAA33946| (X15901) ORF23 [Oryza sativa] gi|12059|emb|CAA33914| (X15901) ORF23 [Oryza sativa] gi|902278|emb|CAA60343| (X86563) ORF23 [Zea mays] gi|902293|emb|CAA60357| (X86563) ORF23 [Zea mays] gi|226662|prf||1603356CN ORF		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16484	Strand	+
Start	9926	End	11872
Name	OJ990701_13.9B05.C5.o5.np	Method	AAT/NAP
Start	9926	End	11872
GI	225252	Score	161
Exons	9926..10161, 11842..11872		

GI Descrip.	ORF 350 [Nicotiana tabacum]		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16484	Strand	+
Start	9926	End	11872
Name	OJ990701_13.9B05.C5.o6.np	Method	AAT/NAP
Start	10500	End	10689
GI	82533	Score	313
Exons	10500..10689		
GI Descrip.	hypothetical 7.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|12044|emb|CAA33947| (X15901) ORF63 [Oryza sativa] gi|12058|emb|CAA33913| (X15901) ORF63 [Oryza sativa] gi|226664|prf||1603356CQ ORF 63A [Oryza sativa]		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16485	Strand	-
Start	1677	End	2579
Name	OJ990701_13.9B05.C5.o1.gs	Method	GENSCAN
Start	1677	End	2579
GI	none	Score	.52
Exons	1677..1877, 2385..2579		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o7.np	Method	AAT/NAP
Start	5630	End	11992
GI	5042454	Score	430
Exons	5630..5689, 6277..6419, 11206..11360, 11416..11522, 11853..11992		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o2.gs	Method	GENSCAN
Start	5953	End	11934
GI	none	Score	.76
Exons	5953..6522, 6631..6766, 6857..7075, 7163..7451, 8005..8310, 9951..10085, 10649..10815, 11173..11360, 11416..11625, 11857..11934		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o1.np	Method	AAT/NAP
Start	5965	End	8215
GI	763421	Score	577
Exons	5965..6522, 6631..6766, 6857..7075, 7163..7541, 8005..8215		
GI Descrip.	(U20187) vetispiradiene synthase [synthetic construct]		
Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	6211	End	7444
GI	none	Score	51
Exons	6211..6261, 6211..6261, 6265..6312, 6373..6522, 6386..6520,		

6604..6792, 6607..6765, 6856..7074, 6857..7012, 6859..7074, 7162..7443, 7173..7328, 7283..7444

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	6673	End	7296
GI	none	Score	86
Exons	6673..6768, 6847..7074, 7177..7296		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o2.tc	Method	TBLASTX:Cress
Start	6682	End	8167
GI	none	Score	67
Exons	6682..6768, 6856..7074, 7165..7530, 8021..8167		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	8446	End	8663
GI	none	Score	343
Exons	8446..8658, 8446..8649, 8450..8662, 8451..8663		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	8449	End	8674
GI	none	Score	326
Exons	8449..8658, 8459..8674, 8460..8669		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	8611	End	9116
GI	none	Score	55
Exons	8611..8658, 8611..8649, 8706..8813, 8710..8787, 8721..8813, 8770..8964, 8788..8967, 8789..8965, 9000..9050, 9039..9113, 9060..9116, 9061..9114		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	9048	End	9369
GI	none	Score	83
Exons	9048..9098, 9050..9100, 9191..9280, 9193..9282, 9196..9282, 9197..9283, 9286..9369, 9287..9367		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992

Name	OJ990701_13.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	9077	End	9355
GI	none	Score	129
Exons	9077..9160, 9077..9163, 9078..9170, 9079..9171, 9155..9301, 9166..9312, 9167..9313, 9258..9353, 9280..9354, 9281..9355, 9282..9353, 9283..9354		

Seq. No.	7824	Seq. ID	OJ990701_13.9B05.C5
Gene No.	16486	Strand	-
Start	5953	End	11992
Name	OJ990701_13.9B05.C5.o4.np	Method	AAT/NAP
Start	9489	End	9713
GI	82227	Score	161
Exons	9489..9713		
GI Descrip.	hypothetical protein 75 - common tobacco chloroplast gi|11786|emb|CAA26288| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi|11880|emb|CAA77393| (Z00044) hypothetical protein [Nicotiana tabacum] gi|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi|1223679|emb|CAA77400| (Z00044) hypothetical protein [Nicotiana tabacum] gi|225251|prf||1211235CK ORF 75 [Ni		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16487	Strand	+
Start	1395	End	4759
Name	OJ990701_13.9B05.C6.o1.gs	Method	GENSCAN
Start	1395	End	4759
GI	none	Score	.64
Exons	1395..1505, 1590..1798, 1904..1996, 2057..2198, 2275..2373, 2443..2768, 3652..3727, 4304..4439, 4524..4759		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	1161	End	2198
GI	none	Score	177
Exons	1161..1349, 1172..1351, 1243..1416, 1590..1799, 1640..1798, 1683..1799, 1896..1973, 2013..2198		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	3443	End	7737
GI	none	Score	103
Exons	3443..3601, 7291..7737, 7562..7717		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o2.gs	Method	GENSCAN
Start	4879	End	14380
GI	none	Score	.47
Exons	4879..4965, 5963..6157, 6556..6676, 6737..6996, 7243..7419, 8067..8393, 8437..8652, 9295..9440, 9693..10779, 11648..11862, 11979..12111, 12307..12517, 12561..12594, 12888..12950,		

13893..14380

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	6559	End	7155
GI	none	Score	227
Exons	6559..7155, 6560..6967, 7028..7153		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	6629	End	6989
GI	none	Score	126
Exons	6629..6658, 6631..6852, 6646..6852, 6681..6854, 6854..6988, 6855..6989, 6859..6987		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	6919	End	7356
GI	none	Score	56
Exons	6919..7356, 6920..7006, 7037..7351, 7039..7356		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o7.tm	Method	TBLASTX:Maize
Start	6991	End	7224
GI	none	Score	137
Exons	6991..7224, 7025..7219		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o5.tc	Method	TBLASTX:Cress
Start	7195	End	7470
GI	none	Score	71
Exons	7195..7392, 7228..7470		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	7357	End	7870
GI	none	Score	76
Exons	7357..7539, 7522..7719, 7525..7869, 7772..7870		

Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	7540	End	8037
GI	5509260	Score	113

Exons	7540..8037, 7559..7711, 7751..7915		
GI Descrip.	-		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	7651	End	7920
GI	none	Score	125
Exons	7651..7920, 7652..7912		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o9.tm	Method	TBLASTX:Maize
Start	7741	End	8011
GI	none	Score	99
Exons	7741..8007, 7781..8011		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	8521	End	8877
GI	none	Score	275
Exons	8521..8877		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	8530	End	8995
GI	none	Score	85
Exons	8530..8994, 8873..8995		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	8548	End	8967
GI	none	Score	245
Exons	8548..8967		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o6.tm	Method	TBLASTX:Maize
Start	8551	End	8874
GI	none	Score	73
Exons	8551..8874, 8555..8662		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o8.tm	Method	TBLASTX:Maize
Start	9478	End	9777
GI	none	Score	250

Exons	9478..9777		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	9484	End	9868
GI	none	Score	219
Exons	9484..9837, 9509..9868		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o4.tc	Method	TBLASTX:Cress
Start	10189	End	10698
GI	none	Score	93
Exons	10189..10542, 10558..10698		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	10243	End	10666
GI	none	Score	108
Exons	10243..10548, 10301..10528, 10555..10662, 10589..10666		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	10243	End	10665
GI	none	Score	81
Exons	10243..10431, 10432..10542, 10564..10665		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o4.ts	Method	TBLASTX:Soybean
Start	11732	End	11875
GI	none	Score	121
Exons	11732..11875, 11742..11867		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	14011	End	14229
GI	none	Score	261
Exons	14011..14229, 14012..14197		
Seq. No.	7825	Seq. ID	OJ990701_13.9B05.C6
Gene No.	16488	Strand	-
Start	4879	End	14380
Name	OJ990701_13.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	14056	End	14229
GI	none	Score	119
Exons	14056..14211, 14059..14229		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16489	Strand	+
Start	93	End	3039
Name	OJ990701_13.9B05.C7.o1.gs	Method	GENSCAN
Start	93	End	3039
GI	none	Score	.7
Exons	93..418, 1925..2072, 2306..2373, 2973..3039		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16490	Strand	-
Start	1781	End	6996
Name	OJ990701_13.9B05.C7.o1.gp	Method	AAT/GAP
Start	1781	End	5389
GI	4996_1.R1084	Score	1349
Exons	1781..2135, 2222..2378, 5181..5389		
GI Descrip.	'4115934/gb|AAD03444.1| 5.0e-62 (AF118223) contains similarity to Methanobacterium thermoautotrophicum transcriptional regulator (GB:AE000850) [Arabidopsis thaliana]'		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16490	Strand	-
Start	1781	End	6996
Name	OJ990701_13.9B05.C7.o1.np	Method	AAT/NAP
Start	1968	End	5278
GI	4115934	Score	520
Exons	1968..2135, 2222..2378, 5181..5278		
GI Descrip.	(AF118223) contains similarity to Methanobacterium thermoautotrophicum transcriptional regulator (GB:AE000850) [Arabidopsis thaliana]		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16490	Strand	-
Start	1781	End	6996
Name	OJ990701_13.9B05.C7.o2.gs	Method	GENSCAN
Start	4988	End	6996
GI	none	Score	.59
Exons	4988..5537, 6434..6599, 6945..6996		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	1903	End	5290
GI	none	Score	105
Exons	1903..1938, 1987..2130, 1988..2131, 1989..2132, 1989..2135, 1990..2142, 2209..2322, 2220..2312, 2222..2383, 2223..2378, 2224..2415, 5175..5270, 5178..5237, 5180..5290		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	1981	End	5251
GI	none	Score	179
Exons	1981..2142, 1995..2135, 2222..2374, 2223..2375, 5180..5251, 5181..5237		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	1989	End	5254
GI	none	Score	178
Exons	1989..2135, 1996..2136, 2222..2383, 2226..2378, 5178..5237, 5180..5254		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o2.gp	Method	AAT/GAP
Start	8459	End	8916
GI	LIB3432-030-P1-K1-F7	Score	866
Exons	8459..8916		
GI Descrip.	'4510369/gb|AAD21457.1| 6.0e-30 (AC007017) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o3.gs	Method	GENSCAN
Start	8475	End	8894
GI	none	Score	.47
Exons	8475..8894		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o2.np	Method	AAT/NAP
Start	8520	End	8992
GI	4510369	Score	366
Exons	8520..8992		
GI Descrip.	(AC007017) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	8586	End	8981
GI	none	Score	56
Exons	8586..8915, 8943..8981		

Seq. No.	7826	Seq. ID	OJ990701_13.9B05.C7
Gene No.	16491	Strand	-
Start	8475	End	8992
Name	OJ990701_13.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	8637	End	8991
GI	none	Score	107
Exons	8637..8756, 8638..8718, 8742..8777, 8751..8990, 8770..8991		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16492	Strand	+
Start	22	End	8940
Name	OJ990701_13.9B05.C8.o1.gs	Method	GENSCAN

Start	22	End	8940
GI	none	Score	.45
Exons	22..89, 1029..1058, 1319..1397, 1580..1689, 2339..2537, 2645..2701, 2746..2889, 2950..3103, 3982..4079, 4480..4561, 5912..6051, 6482..6689, 6889..7053, 7646..7726, 8261..8490, 8636..8746, 8851..8940		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16492	Strand	+
Start	22	End	8940
Name	OJ990701_13.9B05.C8.o2.gp	Method	AAT/GAP
Start	2408	End	5676
GI	26155_1.R1084	Score	1559
Exons	2408..2537, 2645..2701, 2950..3103, 3982..4079, 4161..4226, 5315..5676		
GI Descrip.	'4160579/emb|CAA22824| 5.0e-15 (AL035218) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16492	Strand	+
Start	22	End	8940
Name	OJ990701_13.9B05.C8.o1.np	Method	AAT/NAP
Start	2947	End	4269
GI	4160579	Score	101
Exons	2947..3103, 3982..4079, 4161..4269		
GI Descrip.	(AL035218) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16493	Strand	+
Start	9643	End	10260
Name	OJ990701_13.9B05.C8.o2.gs	Method	GENSCAN
Start	9643	End	10260
GI	none	Score	.63
Exons	9643..10260		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16494	Strand	-
Start	1	End	93
Name	OJ990701_13.9B05.C8.o1.gp	Method	AAT/GAP
Start	1	End	93
GI	none	Score	162
Exons	1..93		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16495	Strand	-
Start	6866	End	7207
Name	OJ990701_13.9B05.C8.o2.np	Method	AAT/NAP
Start	6866	End	7207
GI	6069646	Score	378
Exons	6866..7207		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8

Gene No.	16496	Strand	-
Start	13122	End	13549
Name	OJ990701_13.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	2332	End	5392
GI	none	Score	108
Exons	2332..2460, 2413..2466, 2496..2537, 2644..2700, 2645..2701, 2935..3102, 2937..3098, 2946..3107, 2984..3109, 3023..3103, 3973..4077, 3980..4078, 3980..4084, 3981..4085, 4159..4227, 4159..4227, 4160..4228, 5249..5392		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16496	Strand	-
Start	13122	End	13549
Name	OJ990701_13.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	2404	End	3115
GI	none	Score	35
Exons	2404..2436, 2496..2534, 2624..2701, 2935..3102, 2938..3084, 2949..3098, 2990..3115		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16496	Strand	-
Start	13122	End	13549
Name	OJ990701_13.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	2431	End	3107
GI	none	Score	39
Exons	2431..2457, 2496..2534, 2642..2701, 2935..3102, 2946..3107, 2949..3098		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16496	Strand	-
Start	13122	End	13549
Name	OJ990701_13.9B05.C8.o4.gs	Method	GENSCAN
Start	13122	End	13446
GI	none	Score	.79
Exons	13122..13446		

Seq. No.	7827	Seq. ID	OJ990701_13.9B05.C8
Gene No.	16496	Strand	-
Start	13122	End	13549
Name	OJ990701_13.9B05.C8.o3.np	Method	AAT/NAP
Start	13171	End	13549
GI	6006369	Score	366
Exons	13171..13549		
GI Descrip.	(AP000559) ESTs C99670(E21043),C99671(E21043), AU078262(R10938),AU078261(R10938),D15282(C0402) correspond to a region of the predicted gene.; Similar to arginine decarboxylase (U52851) [Oryza sativa]		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16497	Strand	+
Start	17593	End	19011
Name	OJ990701_13.9B05.C11.o4.np	Method	AAT/NAP
Start	17593	End	19011
GI	5852182	Score	349
Exons	17593..17617, 18733..19011		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16497	Strand	+
Start	17593	End	19011
Name	OJ990701_13.9B05.C11.o4.gp	Method	AAT/GAP
Start	18283	End	19011
GI	2310235	Score	292
Exons	18283..18320, 18733..18872, 18982..19011		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16498	Strand	-
Start	2292	End	11903
Name	OJ990701_13.9B05.C11.o1.np	Method	AAT/NAP
Start	2292	End	8401
GI	2245086	Score	343
Exons	2292..2365, 3251..3353, 3581..3625, 3963..4061, 4136..4201, 4453..4515, 4616..4709, 7655..7729, 8028..8154, 8233..8401		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16498	Strand	-
Start	2292	End	11903
Name	OJ990701_13.9B05.C11.o1.gp	Method	AAT/GAP
Start	2797	End	3638
GI	32534_1.R1084	Score	794
Exons	2797..3087, 3251..3353, 3581..3638		
GI Descrip.	'1794137/dbj|BAA19098| 3.0e-12 (AB000402) DMO25 [Drosophila melanogaster]'		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16498	Strand	-
Start	2292	End	11903
Name	OJ990701_13.9B05.C11.o2.gs	Method	GENSCAN
Start	3014	End	11903
GI	none	Score	.5
Exons	3014..3087, 3251..3353, 3963..4061, 4616..4709, 5242..5354, 5487..5705, 7655..7729, 8147..8176, 8225..8389, 9041..9161, 10771..10861, 11003..11051, 11227..11468, 11747..11903		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16498	Strand	-
Start	2292	End	11903
Name	OJ990701_13.9B05.C11.o2.gp	Method	AAT/GAP
Start	7650	End	9218
GI	26937_1.R1084	Score	948
Exons	7650..7729, 8028..8146, 8225..8389, 9041..9218		
GI Descrip.	'586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]'		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16499	Strand	-
Start	12815	End	13858
Name	OJ990701_13.9B05.C11.o3.gs	Method	GENSCAN
Start	12815	End	13858

GI	none	Score	.99
Exons	12815..13858		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16499	Strand	-
Start	12815	End	13858
Name	OJ990701_13.9B05.C11.o2.np	Method	AAT/NAP
Start	12818	End	13858
GI	6862930	Score	1177
Exons	12818..13858		
GI Descrip.	(AC018907) putative glycosyl transferase [Arabidopsis thaliana]		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16499	Strand	-
Start	12815	End	13858
Name	OJ990701_13.9B05.C11.o3.gp	Method	AAT/GAP
Start	12970	End	13459
GI	uC-osf1M202056d04a1	Score	964
Exons	12970..13459		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	3220	End	9152
GI	none	Score	38
Exons	3220..3267, 3247..3354, 3248..3355, 3249..3356, 3249..3368, 3547..3627, 3571..3627, 3576..3629, 3578..3694, 3961..4062, 3961..4062, 3972..4064, 3978..4064, 4136..4204, 4137..4208, 4137..4205, 4138..4212, 4456..4518, 4457..4516, 4614..4709, 4615..4710, 4616..4711, 7646..7729, 7646..7723, 7651..7731, 7654..7728, 8028..8159, 8033..8194, 8033..8185, 8222..8389, 8223..8390, 8227..8391, 9041..9106, 9042..9107, 9117..9152		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	8066	End	9121
GI	none	Score	141
Exons	8066..8149, 8220..8390, 8220..8354, 8228..8395, 8228..8389, 9035..9121		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o2.tc	Method	TBLASTX:Cress
Start	12821	End	13009
GI	none	Score	163
Exons	12821..13009, 12849..13007		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o1.ts	Method	TBLASTX:Soybean

Start	12845	End	13658
GI	none	Score	428
Exons	12845..13519, 12849..13520, 13499..13546, 13556..13654, 13565..13657, 13566..13658		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	12863	End	13490
GI	none	Score	729
Exons	12863..13435, 12867..13490		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o1.tc	Method	TBLASTX:Cress
Start	13010	End	13519
GI	none	Score	210
Exons	13010..13519, 13014..13304, 13383..13487		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o3.tm	Method	TBLASTX:Maize
Start	13491	End	13781
GI	none	Score	41
Exons	13491..13517, 13493..13519, 13541..13726, 13565..13726, 13566..13781		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o4.gs	Method	GENSCAN
Start	16636	End	18018
GI	none	Score	.7
Exons	16636..16752, 17107..17172, 17415..17549, 17851..18018		

Seq. No.	7828	Seq. ID	OJ990701_13.9B05.C11
Gene No.	16500	Strand	-
Start	16636	End	18018
Name	OJ990701_13.9B05.C11.o3.np	Method	AAT/NAP
Start	17059	End	17549
GI	6358784	Score	89
Exons	17059..17217, 17457..17549		
GI Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.gp	Method	AAT/GAP
Start	1	End	3682
GI	342_1.R1084	Score	6644
Exons	1..3682		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o4.tw	Method	TBLASTX:Wheat
Start	2	End	355
GI	none	Score	87
Exons	2..106, 89..340, 97..339, 98..355, 99..350		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.gs	Method	GENSCAN
Start	74	End	2979
GI	none	Score	.57
Exons	74..662, 797..2979		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	271	End	700
GI	none	Score	102
Exons	271..354, 272..346, 404..700, 458..679		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o2.tc	Method	TBLASTX:Cress
Start	433	End	748
GI	none	Score	277
Exons	433..585, 440..748, 643..717		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.np	Method	AAT/NAP
Start	461	End	2420
GI	6742729	Score	3149
Exons	461..2420		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	569	End	1037
GI	none	Score	64
Exons	569..622, 577..606, 623..727, 627..716, 637..723, 741..827, 742..828, 808..1032, 828..1037, 829..1032, 831..1037		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	626	End	1071
GI	none	Score	97
Exons	626..748, 742..867, 877..1071		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o2.ts	Method	TBLASTX:Soybean
Start	901	End	1143
GI	none	Score	216
Exons	901..1143		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o3.tw	Method	TBLASTX:Wheat
Start	1176	End	1586
GI	none	Score	87
Exons	1176..1226, 1177..1239, 1225..1467, 1245..1427, 1265..1468, 1495..1584, 1500..1586, 1501..1584		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	1587	End	2904
GI	none	Score	331
Exons	1587..2324, 1587..2489, 1588..2505, 2500..2544, 2503..2544, 2547..2642, 2551..2610, 2611..2721, 2616..2729, 2617..2730, 2742..2807, 2743..2823, 2812..2904, 2838..2903		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	1630	End	1944
GI	none	Score	313
Exons	1630..1944, 1641..1916		

Seq. No.	7829	Seq. ID	OJ990701_13.9B05.C12
Gene No.	16501	Strand	+
Start	1	End	3682
Name	OJ990701_13.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	1871	End	2322
GI	none	Score	338
Exons	1871..2026, 1875..2318, 1879..2322, 1885..2322		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16502	Strand	+
Start	183	End	4833
Name	OJ990701_13.9B05.C13.o1.gs	Method	GENSCAN
Start	183	End	4833
GI	none	Score	.7
Exons	183..239, 1114..2535, 2631..3712, 3824..3997, 4094..4204, 4292..4364, 4467..4565, 4645..4833		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16502	Strand	+
Start	183	End	4833
Name	OJ990701_13.9B05.C13.o1.np	Method	AAT/NAP

Start	1099	End	4812
GI	4680204	Score	979
Exons	1099..2535, 2631..3712, 3824..3997, 4094..4316, 4675..4812		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16502	Strand	+
Start	183	End	4833
Name	OJ990701_13.9B05.C13.o1.gp	Method	AAT/GAP
Start	3132	End	3612
GI	uC-osflcyp176f10b1	Score	863
Exons	3132..3612		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16503	Strand	-
Start	5877	End	7611
Name	OJ990701_13.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	1740	End	2145
GI	none	Score	66
Exons	1740..2012, 1742..1882, 1744..1980, 1975..2145, 2050..2145		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16503	Strand	-
Start	5877	End	7611
Name	OJ990701_13.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	3639	End	4163
GI	none	Score	59
Exons	3639..3725, 3810..3992, 3860..3985, 4092..4163		

Seq. No.	7830	Seq. ID	OJ990701_13.9B05.C13
Gene No.	16503	Strand	-
Start	5877	End	7611
Name	OJ990701_13.9B05.C13.o2.gs	Method	GENSCAN
Start	5877	End	7611
GI	none	Score	.48
Exons	5877..5888, 6093..6269, 6619..6737, 7291..7343, 7457..7611		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16504	Strand	+
Start	361	End	1187
Name	OJ990701_13.9B05.C14.o1.gs	Method	GENSCAN
Start	361	End	1187
GI	none	Score	.76
Exons	361..452, 510..667, 907..994, 1139..1187		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16505	Strand	+
Start	1683	End	9487
Name	OJ990701_13.9B05.C14.o2.gs	Method	GENSCAN
Start	1683	End	9487
GI	none	Score	.85
Exons	1683..1835, 2422..2715, 2763..2861, 3679..3816, 4139..4197, 4308..4410, 5376..5564, 5664..5764, 5844..5898, 6157..6243, 6364..6415, 6783..6868, 6988..7041, 7145..7228, 7358..7429,		

8137..8217, 8996..9031, 9359..9487

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16505	Strand	+
Start	1683	End	9487
Name	OJ990701_13.9B05.C14.o1.np	Method	AAT/NAP
Start	2495	End	9484
GI	6729029	Score	1459
Exons	2495..2572, 2763..2861, 3321..3392, 3679..3816, 4139..4197, 4308..4410, 5376..5564, 5664..5764, 5844..5898, 6157..6193, 6783..6868, 6988..7041, 7145..7228, 7358..7429, 8137..8217, 8996..9031, 9359..9484		
GI Descrip.	(AC009177) putative branched-chain amino acid aminotransferase [Arabidopsis thaliana]		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16505	Strand	+
Start	1683	End	9487
Name	OJ990701_13.9B05.C14.o1.gp	Method	AAT/GAP
Start	5496	End	6825
GI	LIB3433-042-P1-K1-D9	Score	697
Exons	5496..5564, 5664..5764, 5844..5898, 6157..6243, 6364..6415, 6783..6825		
GI Descrip.	'3122275/sp|O29329|ILVE_ARCFU 1.0e-14 PUTATIVE BRANCHED-CHAIN AMINO ACID AMINOTRANSFERASE (TRANSAMINASE B) (BCAT) >gi_2649663 (AE001039) branched-chain amino acid aminotransferase (ilvE) [Archaeoglobus fulgidus]'		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16506	Strand	+
Start	10837	End	12056
Name	OJ990701_13.9B05.C14.o3.gs	Method	GENSCAN
Start	10837	End	12056
GI	none	Score	.75
Exons	10837..10839, 10924..11066, 11137..11241, 11930..12056		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16507	Strand	+
Start	13005	End	14756
Name	OJ990701_13.9B05.C14.o4.gs	Method	GENSCAN
Start	13005	End	14756
GI	none	Score	.64
Exons	13005..13133, 13340..13727, 14650..14756		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16508	Strand	+
Start	15782	End	23115
Name	OJ990701_13.9B05.C14.o5.gs	Method	GENSCAN
Start	15782	End	23115
GI	none	Score	.76
Exons	15782..15886, 16353..16541, 17493..17596, 17804..17930, 18332..18426, 18728..18851, 19492..19623, 20362..20514, 20550..20705, 20778..20832, 20917..20984, 21234..21278, 22268..22435, 22875..23115		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16508	Strand	+

Start	15782	End	23115
Name	OJ990701_13.9B05.C14.o2.np	Method	AAT/NAP
Start	15944	End	22465
GI	2244785	Score	1001
Exons	15944..16006, 16882..17086, 17493..17596, 17804..17930, 18332..18426, 18728..18858, 19441..19572, 20350..20460, 20550..20764, 20903..20988, 22207..22465		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16509	Strand	-
Start	9391	End	9713
Name	OJ990701_13.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	2506	End	3816
GI	none	Score	104
Exons	2506..2571, 2510..2572, 2754..2861, 2763..2861, 3306..3392, 3320..3391, 3468..3557, 3469..3561, 3678..3815, 3679..3816		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16509	Strand	-
Start	9391	End	9713
Name	OJ990701_13.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	2506	End	3825
GI	none	Score	101
Exons	2506..2565, 2510..2572, 2781..2861, 3299..3391, 3306..3392, 3468..3572, 3469..3588, 3696..3824, 3697..3825		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16509	Strand	-
Start	9391	End	9713
Name	OJ990701_13.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	2802	End	9505
GI	none	Score	90
Exons	2802..2861, 2804..2863, 3306..3392, 3320..3391, 3466..3564, 3467..3556, 3468..3578, 3469..3561, 3675..3818, 3677..3817, 3678..3824, 3679..3825, 4130..4195, 4136..4198, 4138..4203, 4300..4410, 4307..4408, 4308..4409, 5376..5462, 5376..5564, 5377..5568, 5522..5575, 5657..5761, 5660..5740, 5661..5765, 5668..5778, 5674..5760, 5836..5901, 5845..5898, 6129..6266, 6156..6245, 6361..6414, 6361..6411, 6363..6413, 6776..6868, 6781..6873, 6992..7042, 6992..7036, 7112..7228, 7124..7237, 7129..7236, 7257..7352, 7358..7432, 7358..7429, 7360..7434, 8136..8219, 8137..8220, 8993..9034, 8995..9033, 9354..9434, 9355..9477, 9359..9481, 9359..9505		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16509	Strand	-
Start	9391	End	9713
Name	OJ990701_13.9B05.C14.o2.gp	Method	AAT/GAP
Start	9391	End	9713
GI	LIB3475-008-P1-K1-H11	Score	605
Exons	9391..9713		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16510	Strand	

Start	17003	End	22438
Name	OJ990701_13.9B05.C14.o3.ts	Method	TBLASTX:Soybean
Start	17003	End	18406
GI	none	Score	87
Exons	17003..17089, 17472..17594, 17487..17594, 17498..17596, 17799..17930, 17801..17869, 18329..18406		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16510	Strand	
Start	17003	End	22438
Name	OJ990701_13.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	17889	End	22438
GI	none	Score	79
Exons	17889..17930, 18310..18426, 18329..18424, 18330..18425, 18331..18426, 18725..18856, 18727..18849, 18732..18860, 19491..19544, 19492..19575, 19495..19572, 19496..19573, 20358..20453, 20359..20460, 20549..20704, 20550..20705, 20552..20710, 20554..20706, 20772..20831, 20775..20834, 20777..20854, 20910..20987, 20910..20984, 22273..22389, 22274..22432, 22278..22427, 22325..22438, 22326..22436		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16510	Strand	
Start	17003	End	22438
Name	OJ990701_13.9B05.C14.o2.tc	Method	TBLASTX:Cress
Start	18813	End	20660
GI	none	Score	63
Exons	18813..18854, 19492..19575, 19492..19584, 20359..20460, 20359..20457, 20361..20459, 20549..20638, 20550..20660		

Seq. No.	7831	Seq. ID	OJ990701_13.9B05.C14
Gene No.	16510	Strand	
Start	17003	End	22438
Name	OJ990701_13.9B05.C14.o2.ts	Method	TBLASTX:Soybean
Start	20359	End	20687
GI	none	Score	142
Exons	20359..20460, 20359..20433, 20361..20444, 20549..20641, 20549..20632, 20550..20687, 20550..20654		

Seq. No.	7832	Seq. ID	OJ990701_13.9B05.C16
Gene No.	16511	Strand	+
Start	228	End	364
Name	OJ990701_13.9B05.C16.o1.gs	Method	GENSCAN
Start	228	End	364
GI	none	Score	.61
Exons	228..364		

Seq. No.	7832	Seq. ID	OJ990701_13.9B05.C16
Gene No.	16512	Strand	-
Start	919	End	1138
Name	OJ990701_13.9B05.C16.o2.gs	Method	GENSCAN
Start	919	End	1138
GI	none	Score	.56
Exons	919..1138		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16513	Strand	+

Start	29	End	289
Name	OJ990701_13.9B05.C17.o1.gs	Method	GENSCAN
Start	29	End	289
GI	none	Score	.43
Exons	29..289		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16514	Strand	+
Start	2452	End	3437
Name	OJ990701_13.9B05.C17.o1.np	Method	AAT/NAP
Start	2446	End	2820
GI	6006718	Score	227
Exons	2446..2820		
GI Descrip.	(AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16514	Strand	+
Start	2452	End	3437
Name	OJ990701_13.9B05.C17.o2.gs	Method	GENSCAN
Start	2452	End	3437
GI	none	Score	.83
Exons	2452..2931, 2955..3437		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16515	Strand	-
Start	4944	End	6389
Name	OJ990701_13.9B05.C17.o3.gs	Method	GENSCAN
Start	4944	End	6389
GI	none	Score	.66
Exons	4944..5066, 6222..6389		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16516	Strand	-
Start	7285	End	7482
Name	OJ990701_13.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	2500	End	2814
GI	none	Score	229
Exons	2500..2814, 2502..2699		

Seq. No.	7833	Seq. ID	OJ990701_13.9B05.C17
Gene No.	16516	Strand	-
Start	7285	End	7482
Name	OJ990701_13.9B05.C17.o4.gs	Method	GENSCAN
Start	7285	End	7482
GI	none	Score	.9
Exons	7285..7377, 7444..7482		

Seq. No.	7834	Seq. ID	OJ990701_13.9B05.C18
Gene No.	16517	Strand	-
Start	167	End	429
Name	OJ990701_13.9B05.C18.o1.np	Method	AAT/NAP
Start	167	End	429
GI	862343	Score	125
Exons	167..429		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein		

[Mus musculus]

Seq. No.	7835	Seq. ID	OJ990701_13.9B05.C19
Gene No.	16518	Strand	+
Start	91	End	654
Name	OJ990701_13.9B05.C19.o1.gs	Method	GENSCAN
Start	91	End	654
GI	none	Score	.67
Exons	91..118, 124..654		

Seq. No.	7835	Seq. ID	OJ990701_13.9B05.C19
Gene No.	16518	Strand	+
Start	91	End	654
Name	OJ990701_13.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	303	End	646
GI	none	Score	256
Exons	303..644, 321..419, 323..646		

Seq. No.	7836	Seq. ID	OJ990701_13.9B05.C21
Gene No.	16519	Strand	
Start	14	End	242
Name	OJ990701_13.9B05.C21.o1.tw	Method	TBLASTX:Wheat
Start	14	End	231
GI	none	Score	343
Exons	14..226, 14..217, 15..230, 18..230, 19..231		

Seq. No.	7836	Seq. ID	OJ990701_13.9B05.C21
Gene No.	16519	Strand	
Start	14	End	242
Name	OJ990701_13.9B05.C21.o1.tm	Method	TBLASTX:Maize
Start	17	End	242
GI	none	Score	326
Exons	17..226, 27..242, 28..237		

Seq. No.	7837	Seq. ID	OJ990701_13.9B05.C24
Gene No.	16520	Strand	+
Start	25	End	262
Name	OJ990701_13.9B05.C24.o1.gs	Method	GENSCAN
Start	25	End	262
GI	none	Score	.92
Exons	25..100, 102..262		

Seq. No.	7838	Seq. ID	OJ990601_10.9B05.C4
Gene No.	16521	Strand	+
Start	1	End	388
Name	OJ990601_10.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	388
GI	4097102	Score	259
Exons	1..159, 264..388		
GI Descrip.	(U45322) globulin-like protein [Oryza sativa]		

Seq. No.	7838	Seq. ID	OJ990601_10.9B05.C4
Gene No.	16521	Strand	+
Start	1	End	388
Name	OJ990601_10.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	22	End	368
GI	none	Score	158

Exons	22..159, 28..159, 147..164, 255..356, 262..354, 263..367, 267..368		
Seq. No.	7838	Seq. ID	OJ990601_10.9B05.C4
Gene No.	16521	Strand	+
Start	1	End	388
Name	OJ990601_10.9B05.C4.o1.gs	Method	GENSCAN
Start	52	End	378
GI	none	Score	.95
Exons	52..159, 264..378		
Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16522	Strand	+
Start	179	End	634
Name	OJ990601_10.9B05.C6.o1.gp	Method	AAT/GAP
Start	179	End	634
GI	23551_1.R1084	Score	853
Exons	179..634		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome'		
Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16523	Strand	+
Start	1030	End	2052
Name	OJ990601_10.9B05.C6.o2.gp	Method	AAT/GAP
Start	1030	End	2052
GI	3409_1.R1084	Score	1004
Exons	1030..1312, 1740..2052		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		
Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16524	Strand	+
Start	5845	End	9088
Name	OJ990601_10.9B05.C6.o2.gs	Method	GENSCAN
Start	5845	End	9088
GI	none	Score	.76
Exons	5845..5876, 5998..7033, 7120..7864, 7939..8126, 8202..8391, 8463..8567, 8640..9088		
Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16524	Strand	+
Start	5845	End	9088
Name	OJ990601_10.9B05.C6.o1.np	Method	AAT/NAP
Start	6149	End	9085
GI	6691716	Score	2313
Exons	6149..7033, 7231..7406, 7488..7755, 7932..8126, 8202..8313, 8463..8567, 8640..9085		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16525	Strand	-
Start	4681	End	4834
Name	OJ990601_10.9B05.C6.o3.gp	Method	AAT/GAP
Start	4681	End	4834

GI	uC-osf1cyp177g01a1	Score	236
Exons	4681..4834		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16526	Strand	-
Start	9408	End	9598
Name	OJ990601_10.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	6269	End	6559
GI	none	Score	216
Exons	6269..6559		

Seq. No.	7839	Seq. ID	OJ990601_10.9B05.C6
Gene No.	16526	Strand	-
Start	9408	End	9598
Name	OJ990601_10.9B05.C6.o2.np	Method	AAT/NAP
Start	9408	End	9598
GI	5902445	Score	318
Exons	9408..9598		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7840	Seq. ID	OJ990601_10.9B05.C8
Gene No.	16527	Strand	+
Start	73	End	116
Name	OJ990601_10.9B05.C8.o1.gs	Method	GENSCAN
Start	73	End	116
GI	none	Score	.52
Exons	73..116		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16528	Strand	+
Start	1752	End	5737
Name	OJ990601_10.9B05.C10.o1.gs	Method	GENSCAN
Start	1752	End	5737
GI	none	Score	.84
Exons	1752..1883, 1894..2574, 2821..3129, 4266..4556, 4816..4929, 5036..5737		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16528	Strand	+
Start	1752	End	5737
Name	OJ990601_10.9B05.C10.o1.np	Method	AAT/NAP
Start	1758	End	5734
GI	4572669	Score	2298
Exons	1758..2178, 2263..2574, 2821..3129, 4266..4556, 4816..4929, 5036..5509, 5561..5734		
GI Descrip.	(AC006954) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16529	Strand	+
Start	16112	End	16324
Name	OJ990601_10.9B05.C10.o2.gp	Method	AAT/GAP
Start	16112	End	16324
GI	3107446	Score	315
Exons	16112..16324		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16530	Strand	+
Start	17962	End	20041
Name	OJ990601_10.9B05.C10.o3.gs	Method	GENSCAN
Start	17962	End	19833
GI	none	Score	.96
Exons	17962..18303, 18948..19100, 19199..19833		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16530	Strand	+
Start	17962	End	20041
Name	OJ990601_10.9B05.C10.o4.np	Method	AAT/NAP
Start	17974	End	20041
GI	6730730	Score	1001
Exons	17974..18303, 18948..19833, 20011..20041		
GI Descrip.	(AC018849) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16531	Strand	-
Start	6052	End	13591
Name	OJ990601_10.9B05.C10.o2.np	Method	AAT/NAP
Start	6052	End	9887
GI	4097102	Score	378
Exons	6052..6090, 7638..7874, 7979..8212, 9835..9887		
GI Descrip.	(U45322) globulin-like protein [Oryza sativa]		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16531	Strand	-
Start	6052	End	13591
Name	OJ990601_10.9B05.C10.o2.gs	Method	GENSCAN
Start	7068	End	13591
GI	none	Score	.46
Exons	7068..7132, 7487..7521, 7669..7874, 7979..8086, 9529..9689, 9920..9941, 11958..12103, 13519..13591		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16531	Strand	-
Start	6052	End	13591
Name	OJ990601_10.9B05.C10.o3.np	Method	AAT/NAP
Start	9553	End	9705
GI	6721512	Score	65
Exons	9553..9705		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o3.tc	Method	TBLASTX:Cress
Start	1763	End	2019
GI	none	Score	70
Exons	1763..1840, 1764..1841, 1881..1988, 1882..2019		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	2134	End	4328

GI	none	Score	34
Exons	2134..2166, 2135..2167, 2290..2505, 2292..2468, 2530..2586, 2533..2577, 2818..3129, 3021..3128, 4265..4327, 4266..4328		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	2494	End	3132
GI	none	Score	89
Exons	2494..2577, 2818..3132, 3027..3131		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	2530	End	5371
GI	none	Score	79
Exons	2530..2577, 2818..3129, 3021..3134, 4265..4558, 4266..4559, 4800..4925, 4816..4932, 5033..5359, 5035..5217, 5035..5364, 5039..5371		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o3.ts	Method	TBLASTX:Soybean
Start	4266	End	4559
GI	none	Score	288
Exons	4266..4439, 4268..4432, 4523..4558, 4524..4559		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	4328	End	5385
GI	none	Score	72
Exons	4328..4390, 4328..4549, 4329..4556, 4440..4556, 4822..4932, 4824..4928, 5033..5362, 5035..5148, 5045..5371, 5047..5385		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	4440	End	5278
GI	none	Score	117
Exons	4440..4523, 4448..4513, 4822..4932, 4824..4937, 5035..5277, 5039..5278		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	5048	End	5362
GI	none	Score	226
Exons	5048..5362		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10

Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o6.tm	Method	TBLASTX:Maize
Start	5555	End	5736
GI	none	Score	186
Exons	5555..5731, 5572..5736		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o5.tm	Method	TBLASTX:Maize
Start	7703	End	8224
GI	none	Score	43
Exons	7703..7741, 7770..7871, 7771..7875, 7782..7883, 7784..7876, 7979..8116, 7979..8134, 8029..8145, 8111..8173, 8117..8224		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16532	Strand	-
Start	14121	End	16279
Name	OJ990601_10.9B05.C10.o1.gp	Method	AAT/GAP
Start	14121	End	16279
GI	none	Score	1721
Exons	14121..15258, 16233..16279		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16533	Strand	
Start	17958	End	19127
Name	OJ990601_10.9B05.C10.o4.tm	Method	TBLASTX:Maize
Start	17958	End	19127
GI	none	Score	271
Exons	17958..18107, 17959..18306, 18121..18270, 18162..18299, 18966..19127		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16533	Strand	
Start	17958	End	19127
Name	OJ990601_10.9B05.C10.o5.ts	Method	TBLASTX:Soybean
Start	17983	End	18216
GI	none	Score	278
Exons	17983..18216, 17985..18083, 18121..18216		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16533	Strand	
Start	17958	End	19127
Name	OJ990601_10.9B05.C10.o2.tc	Method	TBLASTX:Cress
Start	17988	End	19127
GI	none	Score	352
Exons	17988..18107, 17992..18306, 18121..18303, 18948..19127		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16534	Strand	
Start	19541	End	19836
Name	OJ990601_10.9B05.C10.o3.tm	Method	TBLASTX:Maize
Start	19541	End	19834
GI	none	Score	45
Exons	19541..19573, 19588..19833, 19610..19834		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16534	Strand	
Start	19541	End	19836
Name	OJ990601_10.9B05.C10.o4.tc	Method	TBLASTX:Cress
Start	19570	End	19836
GI	none	Score	191
Exons	19570..19836, 19610..19834		

Seq. No.	7841	Seq. ID	OJ990601_10.9B05.C10
Gene No.	16534	Strand	
Start	19541	End	19836
Name	OJ990601_10.9B05.C10.o4.ts	Method	TBLASTX:Soybean
Start	19600	End	19834
GI	none	Score	301
Exons	19600..19833, 19610..19834		

Seq. No.	7842	Seq. ID	OJ990601_10.9B05.C11
Gene No.	16535	Strand	+
Start	1	End	692
Name	OJ990601_10.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	689
GI	6730730	Score	326
Exons	1..79, 221..689		
GI Descrip.	(AC018849) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	7842	Seq. ID	OJ990601_10.9B05.C11
Gene No.	16535	Strand	+
Start	1	End	692
Name	OJ990601_10.9B05.C11.o1.tc	Method	TBLASTX:Cress
Start	225	End	692
GI	none	Score	54
Exons	225..320, 368..451, 369..494, 528..692, 533..667		

Seq. No.	7842	Seq. ID	OJ990601_10.9B05.C11
Gene No.	16535	Strand	+
Start	1	End	692
Name	OJ990601_10.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	228	End	635
GI	none	Score	62
Exons	228..299, 303..635, 332..448		

Seq. No.	7842	Seq. ID	OJ990601_10.9B05.C11
Gene No.	16535	Strand	+
Start	1	End	692
Name	OJ990601_10.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	344	End	686
GI	none	Score	201
Exons	344..451, 345..509, 426..512, 528..686, 533..685		

Seq. No.	7843	Seq. ID	OJ990601_10.9B05.C12
Gene No.	16536	Strand	+
Start	1	End	1166
Name	OJ990601_10.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	6118407	Score	128
Exons	1..76, 541..701, 1089..1166		
GI Descrip.	(AF188612) flavone synthase II [Callistephus chinensis]		

Seq. No.	7843	Seq. ID	OJ990601_10.9B05.C12
Gene No.	16537	Strand	-
Start	422	End	832
Name	OJ990601_10.9B05.C12.o1.gs	Method	GENSCAN
Start	422	End	832
GI	none	Score	.82
Exons	422..712, 772..832		

Seq. No.	7844	Seq. ID	OJ990601_10.9B05.C13
Gene No.	16538	Strand	+
Start	218	End	305
Name	OJ990601_10.9B05.C13.o1.gs	Method	GENSCAN
Start	218	End	305
GI	none	Score	.67
Exons	218..305		

Seq. No.	7844	Seq. ID	OJ990601_10.9B05.C13
Gene No.	16539	Strand	-
Start	1	End	420
Name	OJ990601_10.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	420
GI	5103193	Score	679
Exons	1..420		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	7845	Seq. ID	OJ990601_10.9B05.C15
Gene No.	16540	Strand	+
Start	1	End	817
Name	OJ990601_10.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	817
GI	2934902	Score	228
Exons	1..41, 648..817		
GI Descrip.	(AF039304) cpSecY [Zea mays]		

Seq. No.	7845	Seq. ID	OJ990601_10.9B05.C15
Gene No.	16540	Strand	+
Start	1	End	817
Name	OJ990601_10.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	630	End	817
GI	none	Score	162
Exons	630..812, 640..813, 647..814, 662..817		

Seq. No.	7845	Seq. ID	OJ990601_10.9B05.C15
Gene No.	16540	Strand	+
Start	1	End	817
Name	OJ990601_10.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	648	End	817
GI	none	Score	138
Exons	648..815, 662..817, 663..815		

Seq. No.	7845	Seq. ID	OJ990601_10.9B05.C15
Gene No.	16540	Strand	+
Start	1	End	817
Name	OJ990601_10.9B05.C15.o1.tc	Method	TBLASTX:Cress

Start	660	End	817
GI	none	Score	136
Exons	660..809, 662..817, 663..815		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	1055
GI	2934902	Score	380
Exons	1..373, 489..656, 974..1055		
GI Descrip.	(AF039304) cpSecY [Zea mays]		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.ts	Method	TBLASTX:Soybean
Start	200	End	655
GI	none	Score	131
Exons	200..352, 201..374, 247..375, 249..374, 394..654, 476..655		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.gp	Method	AAT/GAP
Start	234	End	607
GI	11211_1.R1084	Score	438
Exons	234..373, 489..607		
GI Descrip.	'2934902 1.0e-104 (AF039304) cpSecY [Zea mays]'		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	247	End	655
GI	none	Score	160
Exons	247..375, 249..374, 476..655, 487..654		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	247	End	556
GI	none	Score	196
Exons	247..375, 247..279, 249..374, 328..375, 476..556, 476..556		

Seq. No.	7846	Seq. ID	OJ990601_10.9B05.C16
Gene No.	16541	Strand	+
Start	1	End	1055
Name	OJ990601_10.9B05.C16.o1.gs	Method	GENSCAN
Start	268	End	652
GI	none	Score	.86
Exons	268..373, 489..652		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16542	Strand	+
Start	1	End	1095

Name	OJ990601_10.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	1092
GI	2934902	Score	311
Exons	1..19, 865..1092		
GI Descrip.	(AF039304) cpSecY [Zea mays]		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16542	Strand	+
Start	1	End	1095
Name	OJ990601_10.9B05.C17.o1.gs	Method	GENSCAN
Start	865	End	1095
GI	none	Score	.41
Exons	865..1095		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16543	Strand	+
Start	3894	End	9545
Name	OJ990601_10.9B05.C17.o3.np	Method	AAT/NAP
Start	3894	End	8692
GI	4539357	Score	511
Exons	3894..3927, 7426..8692		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16543	Strand	+
Start	3894	End	9545
Name	OJ990601_10.9B05.C17.o1.gp	Method	AAT/GAP
Start	4168	End	4610
GI	67313_1.R1084	Score	837
Exons	4168..4610		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 3.0e-17 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16543	Strand	+
Start	3894	End	9545
Name	OJ990601_10.9B05.C17.o3.gs	Method	GENSCAN
Start	7500	End	9545
GI	none	Score	.69
Exons	7500..8120, 9387..9545		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o2.tc	Method	TBLASTX:Cress
Start	864	End	1096
GI	none	Score	336
Exons	864..1094, 865..1089, 935..1096		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o4.tm	Method	TBLASTX:Maize
Start	864	End	1038
GI	none	Score	258
Exons	864..1037, 865..1038		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o2.ts	Method	TBLASTX:Soybean
Start	864	End	1086
GI	none	Score	330
Exons	864..1073, 865..1086		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o2.gs	Method	GENSCAN
Start	1649	End	6008
GI	none	Score	.9
Exons	1649..2335, 2507..2596, 2826..2937, 3163..3455, 3787..3901, 4036..4578, 6004..6008		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o2.np	Method	AAT/NAP
Start	1664	End	5758
GI	4803955	Score	1276
Exons	1664..1696, 1724..2335, 2507..2743, 2826..2937, 3142..3455, 3787..3990, 4089..4562, 5701..5758		
GI Descrip.	(AC006202) putative cyclic nucleotide and calmodulin-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	1842	End	2740
GI	none	Score	385
Exons	1842..2336, 1844..2338, 2504..2740, 2541..2627		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	1865	End	4200
GI	none	Score	399
Exons	1865..2338, 1866..2336, 2504..2746, 2504..2746, 2826..2939, 2827..2943, 3141..3356, 3142..3351, 3366..3455, 3367..3459, 3781..3987, 4077..4199, 4087..4200		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-
Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o1.tc	Method	TBLASTX:Cress
Start	1880	End	4463
GI	none	Score	287
Exons	1880..2338, 1881..2336, 2504..2746, 2826..2966, 3099..3206, 3784..3927, 4080..4328, 4090..4317, 4335..4463		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16544	Strand	-

Start	1649	End	6008
Name	OJ990601_10.9B05.C17.o4.tw	Method	TBLASTX:Wheat
Start	2138	End	2620
GI	none	Score	135
Exons	2138..2338, 2151..2336, 2504..2620		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o2.tm	Method	TBLASTX:Maize
Start	7452	End	8425
GI	none	Score	124
Exons	7452..7607, 7475..7588, 7578..8117, 7578..7859, 7583..7963, 7923..8090, 8114..8401, 8129..8281, 8396..8425		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o3.tw	Method	TBLASTX:Wheat
Start	7518	End	7805
GI	none	Score	95
Exons	7518..7652, 7538..7588, 7581..7769, 7610..7765, 7740..7805		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o3.ts	Method	TBLASTX:Soybean
Start	8007	End	8533
GI	none	Score	57
Exons	8007..8063, 8132..8326, 8348..8533		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o1.tw	Method	TBLASTX:Wheat
Start	8156	End	8707
GI	none	Score	233
Exons	8156..8530, 8251..8505, 8525..8563, 8591..8707		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o3.tm	Method	TBLASTX:Maize
Start	8576	End	9076
GI	none	Score	315
Exons	8576..8764, 8605..8823, 8606..8977, 8843..8977, 8995..9072, 9044..9076		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16545	Strand	
Start	7452	End	9163
Name	OJ990601_10.9B05.C17.o2.tw	Method	TBLASTX:Wheat
Start	8801	End	9163
GI	none	Score	141
Exons	8801..8992, 8804..8965, 8889..9014, 8938..9162, 8989..9108, 9008..9163, 9044..9163		

Seq. No.	7847	Seq. ID	OJ990601_10.9B05.C17
Gene No.	16546	Strand	
Start	9249	End	9542
Name	OJ990601_10.9B05.C17.o5.tm	Method	TBLASTX:Maize
Start	9249	End	9542
GI	none	Score	194
Exons	9249..9431, 9254..9445, 9293..9436, 9459..9542		

Seq. No.	7848	Seq. ID	OJ990601_10.9B05.C18
Gene No.	16547	Strand	+
Start	446	End	2956
Name	OJ990601_10.9B05.C18.o1.tm	Method	TBLASTX:Maize
Start	433	End	2691
GI	none	Score	69
Exons	433..480, 434..481, 484..543, 678..791, 678..791, 685..792, 686..793, 686..793, 1953..2108, 1954..2109, 1954..2106, 2526..2690, 2554..2691		

Seq. No.	7848	Seq. ID	OJ990601_10.9B05.C18
Gene No.	16547	Strand	+
Start	446	End	2956
Name	OJ990601_10.9B05.C18.o1.gs	Method	GENSCAN
Start	446	End	2956
GI	none	Score	.94
Exons	446..526, 1956..2105, 2557..2754, 2915..2956		

Seq. No.	7848	Seq. ID	OJ990601_10.9B05.C18
Gene No.	16547	Strand	+
Start	446	End	2956
Name	OJ990601_10.9B05.C18.o1.tc	Method	TBLASTX:Cress
Start	452	End	2774
GI	none	Score	68
Exons	452..526, 678..791, 698..793, 1946..2032, 1950..2108, 1950..2063, 2538..2774, 2560..2733, 2634..2759		

Seq. No.	7849	Seq. ID	OJ990601_10.9B05.C19
Gene No.	16548	Strand	-
Start	1808	End	1884
Name	OJ990601_10.9B05.C19.o1.gp	Method	AAT/GAP
Start	1808	End	1884
GI	2798689	Score	102
Exons	1808..1884		

Seq. No.	7849	Seq. ID	OJ990601_10.9B05.C19
Gene No.	16549	Strand	-
Start	3769	End	5625
Name	OJ990601_10.9B05.C19.o2.gp	Method	AAT/GAP
Start	3769	End	4544
GI	44113_1.R1084	Score	941
Exons	3769..4167, 4393..4544		
GI Descrip.	'5596475/emb|CAB51413.1| 8.0e-31 (AL096882) peroxidase ATP19a [Arabidopsis thaliana]'		

Seq. No.	7849	Seq. ID	OJ990601_10.9B05.C19
Gene No.	16549	Strand	-
Start	3769	End	5625
Name	OJ990601_10.9B05.C19.o2.gs	Method	GENSCAN

Start	4001	End	5413
GI	none	Score	.92
Exons	4001..4167, 5281..5413		

Seq. No.	7849	Seq. ID	OJ990601_10.9B05.C19
Gene No.	16549	Strand	-
Start	3769	End	5625
Name	OJ990601_10.9B05.C19.o1.np	Method	AAT/NAP
Start	4107	End	5625
GI	6815107	Score	128
Exons	4107..4126, 5503..5625		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20
Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	6815107	Score	1165
Exons	1..383, 501..1082		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20
Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o1.tm	Method	TBLASTX:Maize
Start	160	End	554
GI	none	Score	184
Exons	160..336, 162..338, 440..547, 441..554, 444..554		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20
Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o1.gs	Method	GENSCAN
Start	228	End	1004
GI	none	Score	.67
Exons	228..372, 670..1004		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20
Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o1.tw	Method	TBLASTX:Wheat
Start	417	End	848
GI	none	Score	58
Exons	417..848, 430..597, 688..846		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20
Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o1.ts	Method	TBLASTX:Soybean
Start	456	End	1022
GI	none	Score	136
Exons	456..1022, 703..1020		

Seq. No.	7850	Seq. ID	OJ990601_10.9B05.C20

Gene No.	16550	Strand	-
Start	1	End	1082
Name	OJ990601_10.9B05.C20.o2.tm	Method	TBLASTX:Maize
Start	693	End	1035
GI	none	Score	107
Exons	693..1025, 699..1034, 703..1035		

Seq. No.	7851	Seq. ID	OJ990601_10.9B05.C21
Gene No.	16551	Strand	+
Start	3959	End	4105
Name	OJ990601_10.9B05.C21.o1.gp	Method	AAT/GAP
Start	3959	End	4105
GI	702987	Score	241
Exons	3959..4105		

Seq. No.	7851	Seq. ID	OJ990601_10.9B05.C21
Gene No.	16552	Strand	-
Start	1	End	1011
Name	OJ990601_10.9B05.C21.o1.np	Method	AAT/NAP
Start	1	End	1011
GI	6815107	Score	857
Exons	1..391, 473..681, 841..1011		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	7851	Seq. ID	OJ990601_10.9B05.C21
Gene No.	16553	Strand	-
Start	1155	End	3690
Name	OJ990601_10.9B05.C21.o2.gs	Method	GENSCAN
Start	1155	End	3690
GI	none	Score	.93
Exons	1155..1325, 2126..2248, 2528..2644, 3376..3529, 3567..3690		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16554	Strand	+
Start	301	End	513
Name	OJ990601_10.9B05.C22.o1.gs	Method	GENSCAN
Start	301	End	513
GI	none	Score	.71
Exons	301..405, 455..513		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o1.np	Method	AAT/NAP
Start	1840	End	2650
GI	2213632	Score	723
Exons	1840..2650		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o2.tm	Method	TBLASTX:Maize
Start	1928	End	2203
GI	none	Score	46
Exons	1928..1987, 1995..2039, 1997..2035, 2031..2168, 2033..2203,		

2034..2171

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o1.tw	Method	TBLASTX:Wheat
Start	1940	End	2354
GI	none	Score	167
Exons	1940..2176, 1941..2168, 2171..2353, 2187..2354		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o2.gs	Method	GENSCAN
Start	2024	End	3040
GI	none	Score	.82
Exons	2024..3040		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o1.tm	Method	TBLASTX:Maize
Start	2204	End	2869
GI	none	Score	69
Exons	2204..2296, 2292..2366, 2297..2365, 2426..2869, 2430..2822		

Seq. No.	7852	Seq. ID	OJ990601_10.9B05.C22
Gene No.	16555	Strand	-
Start	2024	End	3040
Name	OJ990601_10.9B05.C22.o2.tw	Method	TBLASTX:Wheat
Start	2486	End	2875
GI	none	Score	137
Exons	2486..2875, 2487..2837		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16556	Strand	+
Start	4062	End	6005
Name	OJ990601_10.9B05.C23.o1.np	Method	AAT/NAP
Start	4062	End	6005
GI	6539555	Score	123
Exons	4062..4385, 5986..6005		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16557	Strand	+
Start	11396	End	11704
Name	OJ990601_10.9B05.C23.o1.gp	Method	AAT/GAP
Start	11396	End	11704
GI	61605_3.R1084	Score	452
Exons	11396..11704		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16558	Strand	-

Start	832	End	12660
Name	OJ990601_10.9B05.C23.o1.gs	Method	GENSCAN
Start	832	End	12443
GI	none	Score	.55
Exons	832..1194, 1441..1621, 2178..2446, 3349..3396, 4377..4662, 4667..4739, 4750..4879, 5274..5365, 11580..11699, 12389..12443		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16558	Strand	-
Start	832	End	12660
Name	OJ990601_10.9B05.C23.o2.np	Method	AAT/NAP
Start	12073	End	12247
GI	6063554	Score	130
Exons	12073..12247		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16558	Strand	-
Start	832	End	12660
Name	OJ990601_10.9B05.C23.o3.gp	Method	AAT/GAP
Start	12233	End	12660
GI	2428185	Score	813
Exons	12233..12660		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16559	Strand	-
Start	12679	End	12828
Name	OJ990601_10.9B05.C23.o1.tm	Method	TBLASTX:Maize
Start	4028	End	4302
GI	none	Score	98
Exons	4028..4177, 4032..4181, 4036..4176, 4038..4181, 4096..4203, 4177..4302, 4178..4300		

Seq. No.	7853	Seq. ID	OJ990601_10.9B05.C23
Gene No.	16559	Strand	-
Start	12679	End	12828
Name	OJ990601_10.9B05.C23.o4.gp	Method	AAT/GAP
Start	12679	End	12828
GI	101153_1.R1084	Score	271
Exons	12679..12828		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16560	Strand	+
Start	2690	End	12045
Name	OJ990601_10.9B05.C24.o2.gs	Method	GENSCAN
Start	2690	End	12033
GI	none	Score	.44
Exons	2690..2787, 3426..3457, 3716..3869, 3942..4134, 4354..4662, 6189..8585, 8778..9074, 9210..12033		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24

Gene No.	16560	Strand	+
Start	2690	End	12045
Name	OJ990601_10.9B05.C24.o1.np	Method	AAT/NAP
Start	6276	End	12045
GI	5922631	Score	6206
Exons	6276..6400, 6659..6906, 7141..7343, 7389..7960, 8003..8151, 8278..9201, 9808..12045		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16561	Strand	-
Start	72	End	1757
Name	OJ990601_10.9B05.C24.o1.gs	Method	GENSCAN
Start	72	End	1757
GI	none	Score	.44
Exons	72..202, 1088..1213, 1754..1757		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16562	Strand	-
Start	6080	End	6233
Name	OJ990601_10.9B05.C24.o4.tm	Method	TBLASTX:Maize
Start	4479	End	4854
GI	none	Score	137
Exons	4479..4652, 4480..4653, 4500..4658, 4661..4735, 4662..4736, 4783..4854, 4783..4854		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16562	Strand	-
Start	6080	End	6233
Name	OJ990601_10.9B05.C24.o1.gp	Method	AAT/GAP
Start	6080	End	6233
GI	uC-osflcyp177g01a1	Score	233
Exons	6080..6233		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16563	Strand	
Start	7565	End	7967
Name	OJ990601_10.9B05.C24.o6.tw	Method	TBLASTX:Wheat
Start	7565	End	7967
GI	none	Score	297
Exons	7565..7873, 7566..7967		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16564	Strand	
Start	8581	End	9218
Name	OJ990601_10.9B05.C24.o5.tw	Method	TBLASTX:Wheat
Start	8581	End	9218
GI	none	Score	107
Exons	8581..8721, 8605..8712, 8762..8998, 8766..8996, 9045..9218		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16564	Strand	
Start	8581	End	9218
Name	OJ990601_10.9B05.C24.o7.tm	Method	TBLASTX:Maize
Start	8849	End	8996
GI	none	Score	182
Exons	8849..8995, 8850..8996		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16565	Strand	
Start	9218	End	9704
Name	OJ990601_10.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	9218	End	9674
GI	none	Score	497
Exons	9218..9673, 9219..9674		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16565	Strand	
Start	9218	End	9704
Name	OJ990601_10.9B05.C24.o3.ts	Method	TBLASTX:Soybean
Start	9258	End	9623
GI	none	Score	138
Exons	9258..9482, 9489..9623		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16565	Strand	
Start	9218	End	9704
Name	OJ990601_10.9B05.C24.o2.tm	Method	TBLASTX:Maize
Start	9348	End	9704
GI	none	Score	375
Exons	9348..9704, 9389..9694, 9411..9704		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16566	Strand	
Start	9789	End	10503
Name	OJ990601_10.9B05.C24.o2.tw	Method	TBLASTX:Wheat
Start	9789	End	10213
GI	none	Score	446
Exons	9789..10208, 9833..10213, 9854..10213		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16566	Strand	
Start	9789	End	10503
Name	OJ990601_10.9B05.C24.o1.ts	Method	TBLASTX:Soybean
Start	9867	End	10268
GI	none	Score	318
Exons	9867..10268, 9884..10027, 10064..10234		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16566	Strand	
Start	9789	End	10503
Name	OJ990601_10.9B05.C24.o3.tm	Method	TBLASTX:Maize
Start	9935	End	10379
GI	none	Score	272
Exons	9935..10189, 9936..10190, 10211..10342, 10212..10355, 10353..10379		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16566	Strand	
Start	9789	End	10503
Name	OJ990601_10.9B05.C24.o8.tw	Method	TBLASTX:Wheat
Start	10218	End	10503
GI	none	Score	270
Exons	10218..10499, 10227..10487, 10405..10503		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16567	Strand	
Start	10494	End	10925
Name	OJ990601_10.9B05.C24.o2.ts	Method	TBLASTX:Soybean
Start	10494	End	10882
GI	none	Score	88
Exons	10494..10598, 10502..10882, 10638..10880		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16567	Strand	
Start	10494	End	10925
Name	OJ990601_10.9B05.C24.o4.tw	Method	TBLASTX:Wheat
Start	10503	End	10925
GI	none	Score	416
Exons	10503..10925, 10511..10915		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16567	Strand	
Start	10494	End	10925
Name	OJ990601_10.9B05.C24.o5.tm	Method	TBLASTX:Maize
Start	10556	End	10829
GI	none	Score	126
Exons	10556..10726, 10557..10727, 10731..10829, 10763..10828		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16568	Strand	
Start	10941	End	11240
Name	OJ990601_10.9B05.C24.o9.tw	Method	TBLASTX:Wheat
Start	10941	End	11240
GI	none	Score	135
Exons	10941..11075, 11100..11240		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16569	Strand	
Start	11237	End	11630
Name	OJ990601_10.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	11237	End	11600
GI	none	Score	446
Exons	11237..11548, 11238..11561, 11258..11572, 11552..11599, 11553..11600		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16569	Strand	
Start	11237	End	11630
Name	OJ990601_10.9B05.C24.o3.tw	Method	TBLASTX:Wheat
Start	11243	End	11630
GI	none	Score	420
Exons	11243..11554, 11244..11630, 11445..11630		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16570	Strand	
Start	11702	End	12041
Name	OJ990601_10.9B05.C24.o6.tm	Method	TBLASTX:Maize
Start	11702	End	11975
GI	none	Score	95
Exons	11702..11800, 11703..11801, 11792..11878, 11796..11879, 11889..11975		

Seq. No.	7854	Seq. ID	OJ990601_10.9B05.C24
Gene No.	16570	Strand	
Start	11702	End	12041
Name	OJ990601_10.9B05.C24.o7.tw	Method	TBLASTX:Wheat
Start	11745	End	12041
GI	none	Score	278
Exons	11745..12041, 11906..12037		

Seq. No.	7855	Seq. ID	OJ990601_10.9B05.C25
Gene No.	16571	Strand	+
Start	1	End	628
Name	OJ990601_10.9B05.C25.o1.np	Method	AAT/NAP
Start	1	End	625
GI	5902445	Score	988
Exons	1..625		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7855	Seq. ID	OJ990601_10.9B05.C25
Gene No.	16571	Strand	+
Start	1	End	628
Name	OJ990601_10.9B05.C25.o1.tw	Method	TBLASTX:Wheat
Start	41	End	616
GI	none	Score	234
Exons	41..280, 163..264, 335..493, 479..616, 490..612		

Seq. No.	7855	Seq. ID	OJ990601_10.9B05.C25
Gene No.	16571	Strand	+
Start	1	End	628
Name	OJ990601_10.9B05.C25.o1.gs	Method	GENSCAN
Start	59	End	628
GI	none	Score	.88
Exons	59..628		

Seq. No.	7855	Seq. ID	OJ990601_10.9B05.C25
Gene No.	16571	Strand	+
Start	1	End	628
Name	OJ990601_10.9B05.C25.o1.tm	Method	TBLASTX:Maize
Start	344	End	577
GI	none	Score	152
Exons	344..496, 445..495, 475..576, 476..577		

Seq. No.	7856	Seq. ID	OJ990601_10.9B05.C26
Gene No.	16572	Strand	-
Start	1	End	1233
Name	OJ990601_10.9B05.C26.o1.np	Method	AAT/NAP
Start	1	End	1233
GI	6691716	Score	367

Exons	1..169, 319..430, 506..700, 877..1233		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	7856	Seq. ID	OJ990601_10.9B05.C26
Gene No.	16572	Strand	-
Start	1	End	1233
Name	OJ990601_10.9B05.C26.o1.gs	Method	GENSCAN
Start	65	End	1172
GI	none	Score	.54
Exons	65..169, 241..430, 506..652, 903..1172		
Seq. No.	7856	Seq. ID	OJ990601_10.9B05.C26
Gene No.	16572	Strand	-
Start	1	End	1233
Name	OJ990601_10.9B05.C26.o2.np	Method	AAT/NAP
Start	739	End	1233
GI	5902447	Score	577
Exons	739..1233		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		
Seq. No.	7857	Seq. ID	OJ990601_10.9B05.C28
Gene No.	16573	Strand	+
Start	231	End	842
Name	OJ990601_10.9B05.C28.o1.gs	Method	GENSCAN
Start	231	End	842
GI	none	Score	.97
Exons	231..321, 394..842		
Seq. No.	7857	Seq. ID	OJ990601_10.9B05.C28
Gene No.	16573	Strand	+
Start	231	End	842
Name	OJ990601_10.9B05.C28.o1.np	Method	AAT/NAP
Start	381	End	839
GI	5902446	Score	682
Exons	381..839		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	7858	Seq. ID	OJ990601_10.9B05.C30
Gene No.	16574	Strand	+
Start	66	End	344
Name	OJ990601_10.9B05.C30.o1.gs	Method	GENSCAN
Start	66	End	344
GI	none	Score	.48
Exons	66..344		
Seq. No.	7859	Seq. ID	OJ990601_10.9B05.C31
Gene No.	16575	Strand	+
Start	1114	End	2818
Name	OJ990601_10.9B05.C31.o1.np	Method	AAT/NAP
Start	1114	End	2818
GI	2934902	Score	721
Exons	1114..1319, 1434..1606, 2496..2818		
GI Descrip.	(AF039304) cpSecY [Zea mays]		
Seq. No.	7859	Seq. ID	OJ990601_10.9B05.C31

Gene No.	16575	Strand	+
Start	1114	End	2818
Name	OJ990601_10.9B05.C31.o1.tc	Method	TBLASTX:Cress
Start	2491	End	2818
GI	none	Score	57
Exons	2491..2817, 2492..2530, 2497..2814, 2576..2818		

Seq. No.	7859	Seq. ID	OJ990601_10.9B05.C31
Gene No.	16575	Strand	+
Start	1114	End	2818
Name	OJ990601_10.9B05.C31.o1.tm	Method	TBLASTX:Maize
Start	2570	End	2818
GI	none	Score	313
Exons	2570..2812, 2572..2814, 2572..2817, 2576..2818		

Seq. No.	7860	Seq. ID	OJ990601_10.9B05.C32
Gene No.	16576	Strand	+
Start	1	End	1277
Name	OJ990601_10.9B05.C32.o1.gp	Method	AAT/GAP
Start	1	End	1189
GI	11211_1.R1084	Score	378
Exons	1..117, 1064..1189		
GI Descrip.	'2934902 1.0e-104 (AF039304) cpSecY [Zea mays]'		

Seq. No.	7860	Seq. ID	OJ990601_10.9B05.C32
Gene No.	16576	Strand	+
Start	1	End	1277
Name	OJ990601_10.9B05.C32.o1.np	Method	AAT/NAP
Start	1	End	1277
GI	2934902	Score	289
Exons	1..117, 1064..1277		
GI Descrip.	(AF039304) cpSecY [Zea mays]		

Seq. No.	7860	Seq. ID	OJ990601_10.9B05.C32
Gene No.	16577	Strand	-
Start	490	End	1189
Name	OJ990601_10.9B05.C32.o1.tm	Method	TBLASTX:Maize
Start	19	End	1188
GI	none	Score	151
Exons	19..120, 24..119, 25..126, 1062..1175, 1063..1188, 1063..1188		

Seq. No.	7860	Seq. ID	OJ990601_10.9B05.C32
Gene No.	16577	Strand	-
Start	490	End	1189
Name	OJ990601_10.9B05.C32.o1.ts	Method	TBLASTX:Soybean
Start	19	End	1189
GI	none	Score	141
Exons	19..120, 24..119, 1014..1166, 1015..1188, 1061..1189, 1063..1188		

Seq. No.	7860	Seq. ID	OJ990601_10.9B05.C32
Gene No.	16577	Strand	-
Start	490	End	1189
Name	OJ990601_10.9B05.C32.o1.gs	Method	GENSCAN
Start	490	End	644
GI	none	Score	.63
Exons	490..644		

Seq. No.	7861	Seq. ID	OJ990601_10.9B05.C34
Gene No.	16578	Strand	+
Start	1	End	714
Name	OJ990601_10.9B05.C34.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4680183	Score	1080
Exons	1..714		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7861	Seq. ID	OJ990601_10.9B05.C34
Gene No.	16578	Strand	+
Start	1	End	714
Name	OJ990601_10.9B05.C34.o1.gs	Method	GENSCAN
Start	85	End	682
GI	none	Score	.45
Exons	85..682		

Seq. No.	7862	Seq. ID	OJ990601_10.9B05.C35
Gene No.	16579	Strand	+
Start	477	End	715
Name	OJ990601_10.9B05.C35.o1.gp	Method	AAT/GAP
Start	477	End	715
GI	3107446	Score	319
Exons	477..715		

Seq. No.	7863	Seq. ID	OJ990601_10.9B05.C36
Gene No.	16580	Strand	+
Start	1	End	743
Name	OJ990601_10.9B05.C36.o1.np	Method	AAT/NAP
Start	1	End	743
GI	5902444	Score	1142
Exons	1..743		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7863	Seq. ID	OJ990601_10.9B05.C36
Gene No.	16580	Strand	+
Start	1	End	743
Name	OJ990601_10.9B05.C36.o1.gs	Method	GENSCAN
Start	72	End	616
GI	none	Score	.79
Exons	72..126, 144..616		

Seq. No.	7863	Seq. ID	OJ990601_10.9B05.C36
Gene No.	16580	Strand	+
Start	1	End	743
Name	OJ990601_10.9B05.C36.o1.tw	Method	TBLASTX:Wheat
Start	116	End	517
GI	none	Score	358
Exons	116..517, 178..504		

Seq. No.	7863	Seq. ID	OJ990601_10.9B05.C36
Gene No.	16580	Strand	+
Start	1	End	743
Name	OJ990601_10.9B05.C36.o1.tm	Method	TBLASTX:Maize
Start	391	End	538
GI	none	Score	182
Exons	391..537, 392..538		

Seq. No.	7864	Seq. ID	OJ990601_10.9B05.C37
Gene No.	16581	Strand	+
Start	1	End	546
Name	OJ990601_10.9B05.C37.o1.np	Method	AAT/NAP
Start	1	End	546
GI	6815107	Score	321
Exons	1..546		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	7864	Seq. ID	OJ990601_10.9B05.C37
Gene No.	16581	Strand	+
Start	1	End	546
Name	OJ990601_10.9B05.C37.o1.tm	Method	TBLASTX:Maize
Start	61	End	533
GI	none	Score	98
Exons	61..201, 199..363, 219..362, 399..533, 411..524		

Seq. No.	7864	Seq. ID	OJ990601_10.9B05.C37
Gene No.	16581	Strand	+
Start	1	End	546
Name	OJ990601_10.9B05.C37.o1.gs	Method	GENSCAN
Start	106	End	480
GI	none	Score	.47
Exons	106..480		

Seq. No.	7865	Seq. ID	OJ990701_06.9B19.C4
Gene No.	16582	Strand	+
Start	50	End	316
Name	OJ990701_06.9B19.C4.o1.gs	Method	GENSCAN
Start	50	End	316
GI	none	Score	.44
Exons	50..316		

Seq. No.	7866	Seq. ID	OJ990701_06.9B19.C7
Gene No.	16583	Strand	+
Start	985	End	2358
Name	OJ990701_06.9B19.C7.o1.gs	Method	GENSCAN
Start	985	End	2358
GI	none	Score	.7
Exons	985..1084, 1190..1288, 1968..2180, 2270..2358		

Seq. No.	7866	Seq. ID	OJ990701_06.9B19.C7
Gene No.	16584	Strand	
Start	5760	End	6140
Name	OJ990701_06.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	5760	End	6140
GI	none	Score	59
Exons	5760..6071, 6069..6140		

Seq. No.	7866	Seq. ID	OJ990701_06.9B19.C7
Gene No.	16585	Strand	
Start	6303	End	6564
Name	OJ990701_06.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	6303	End	6561
GI	none	Score	74

Exons	6303..6413, 6334..6414, 6414..6470, 6414..6488, 6480..6560, 6490..6561		
Seq. No.	7866	Seq. ID	OJ990701_06.9B19.C7
Gene No.	16585	Strand	
Start	6303	End	6564
Name	OJ990701_06.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	6360	End	6564
GI	none	Score	104
Exons	6360..6563, 6373..6564, 6426..6563		
Seq. No.	7867	Seq. ID	OJ990701_06.9B19.C8
Gene No.	16586	Strand	+
Start	1	End	7752
Name	OJ990701_06.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	7752
GI	6679303	Score	87
Exons	1..39, 611..744, 1017..1072, 5689..5780, 7715..7752		
GI Descrip.	pleckstrin homology-like domain, family A, member 1 gi|2135950|pir||S58222 PQ-rich protein - human gi|929660|emb|CAA90576| (Z50194) PQ-rich protein [Homo sapiens]		
Seq. No.	7867	Seq. ID	OJ990701_06.9B19.C8
Gene No.	16587	Strand	-
Start	4811	End	8568
Name	OJ990701_06.9B19.C8.o2.gs	Method	GENSCAN
Start	4811	End	8568
GI	none	Score	.44
Exons	4811..4886, 6208..6305, 7106..7213, 7328..7404, 7577..7774, 8212..8243, 8555..8568		
Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16588	Strand	+
Start	7171	End	8674
Name	OJ990701_06.9B19.C9.o2.gs	Method	GENSCAN
Start	7171	End	8674
GI	none	Score	.96
Exons	7171..7906, 7912..8332, 8362..8674		
Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16588	Strand	+
Start	7171	End	8674
Name	OJ990701_06.9B19.C9.o2.np	Method	AAT/NAP
Start	7261	End	8674
GI	5042165	Score	646
Exons	7261..8674		
GI Descrip.	(AL078620) cytochrome P450-like protein [Arabidopsis thaliana]		
Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16589	Strand	-
Start	190	End	6548
Name	OJ990701_06.9B19.C9.o1.gs	Method	GENSCAN
Start	190	End	6548
GI	none	Score	.43
Exons	190..214, 2599..2695, 3092..3217, 3749..3830, 6537..6548		
Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9

Gene No.	16589	Strand	-
Start	190	End	6548
Name	OJ990701_06.9B19.C9.o1.np	Method	AAT/NAP
Start	693	End	4180
GI	4680203	Score	344
Exons	693..719, 3512..4180		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	3609	End	4079
GI	none	Score	47
Exons	3609..3725, 3618..3737, 3778..3963, 3780..4079		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o2.ts	Method	TBLASTX:Soybean
Start	3780	End	4052
GI	none	Score	56
Exons	3780..4052, 3787..3909, 3967..4041		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	7264	End	7893
GI	none	Score	75
Exons	7264..7353, 7266..7352, 7366..7641, 7374..7640, 7648..7734, 7648..7716, 7786..7893, 7803..7886		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o2.tc	Method	TBLASTX:Cress
Start	7366	End	7734
GI	none	Score	202
Exons	7366..7734, 7386..7508		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	7384	End	8671
GI	none	Score	81
Exons	7384..7485, 7974..8096, 7997..8095, 8183..8329, 8184..8330, 8333..8419, 8341..8394, 8468..8671, 8468..8560, 8473..8658		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	7971	End	8407
GI	none	Score	77
Exons	7971..8105, 8199..8330, 8333..8407		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	8169	End	8665
GI	none	Score	110
Exons	8169..8318, 8174..8317, 8333..8416, 8349..8411, 8468..8665, 8473..8655		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	8175	End	8665
GI	none	Score	116
Exons	8175..8336, 8333..8419, 8459..8665, 8461..8655		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o3.gs	Method	GENSCAN
Start	9137	End	13100
GI	none	Score	.6
Exons	9137..9179, 10178..10273, 10451..10564, 10654..10920, 12625..12768, 12972..13100		

Seq. No.	7868	Seq. ID	OJ990701_06.9B19.C9
Gene No.	16590	Strand	-
Start	9137	End	13100
Name	OJ990701_06.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	11106	End	11801
GI	none	Score	49
Exons	11106..11273, 11110..11259, 11112..11258, 11259..11354, 11277..11348, 11279..11404, 11282..11380, 11290..11346, 11291..11392, 11294..11362, 11294..11356, 11402..11536, 11402..11524, 11405..11530, 11406..11531, 11406..11534, 11413..11541, 11414..11542, 11425..11541, 11427..11543, 11428..11541, 11434..11535, 11534..11602, 11569..11610, 11569..11622, 11592..11630, 11592..11627, 11613..11753, 11634..11756, 11635..11766, 11635..11763, 11641..11748, 11641..11799, 11646..11801, 11652..11801		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16591	Strand	+
Start	884	End	1560
Name	OJ990701_06.9B19.C10.o1.gs	Method	GENSCAN
Start	884	End	1560
GI	none	Score	.5
Exons	884..982, 1217..1246, 1360..1560		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16592	Strand	+
Start	4419	End	4801
Name	OJ990701_06.9B19.C10.o1.gp	Method	AAT/GAP
Start	4419	End	4801
GI	569276	Score	660

Exons	4419..4801		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16593	Strand	+
Start	5759	End	6130
Name	OJ990701_06.9B19.C10.o2.gp	Method	AAT/GAP
Start	5759	End	6130
GI	none	Score	530
Exons	5759..6130		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16594	Strand	+
Start	14338	End	14667
Name	OJ990701_06.9B19.C10.o4.gs	Method	GENSCAN
Start	14338	End	14667
GI	none	Score	.97
Exons	14338..14667		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16595	Strand	+
Start	18340	End	19486
Name	OJ990701_06.9B19.C10.o5.gs	Method	GENSCAN
Start	18340	End	19486
GI	none	Score	.74
Exons	18340..18402, 18962..19486		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16596	Strand	-
Start	4796	End	12060
Name	OJ990701_06.9B19.C10.o2.gs	Method	GENSCAN
Start	4796	End	12060
GI	none	Score	.62
Exons	4796..5012, 5220..5353, 6004..6038, 8324..8350, 9715..9873, 10280..10654, 10860..11500, 11630..12060		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16596	Strand	-
Start	4796	End	12060
Name	OJ990701_06.9B19.C10.o3.gp	Method	AAT/GAP
Start	9598	End	9677
GI	LIB3431-030-P1-N1-G8	Score	85
Exons	9598..9677		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16596	Strand	-
Start	4796	End	12060
Name	OJ990701_06.9B19.C10.o1.np	Method	AAT/NAP
Start	10458	End	11949
GI	5441880	Score	1256
Exons	10458..10496, 10942..11949		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10

Gene No.	16596	Strand	-
Start	4796	End	12060
Name	OJ990701_06.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	10710	End	11088
GI	none	Score	57
Exons	10710..10769, 10734..10862, 10747..10884, 10817..10885, 10909..11085, 10934..11086, 10939..11088		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16596	Strand	-
Start	4796	End	12060
Name	OJ990701_06.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	10786	End	11382
GI	none	Score	230
Exons	10786..10857, 10904..11377, 10915..11382		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16597	Strand	
Start	20103	End	20987
Name	OJ990701_06.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	20103	End	20840
GI	none	Score	73
Exons	20103..20183, 20202..20270, 20301..20405, 20445..20486, 20586..20672, 20757..20840		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16597	Strand	
Start	20103	End	20987
Name	OJ990701_06.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	20589	End	20987
GI	none	Score	67
Exons	20589..20672, 20603..20659, 20678..20887, 20691..20987		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16597	Strand	
Start	20103	End	20987
Name	OJ990701_06.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	20613	End	20885
GI	none	Score	48
Exons	20613..20669, 20688..20885		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16598	Strand	
Start	21699	End	22562
Name	OJ990701_06.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	21699	End	22562
GI	none	Score	64
Exons	21699..21860, 22035..22316, 22062..22370, 22443..22562		

Seq. No.	7869	Seq. ID	OJ990701_06.9B19.C10
Gene No.	16599	Strand	
Start	22752	End	23000
Name	OJ990701_06.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	22752	End	23000
GI	none	Score	192
Exons	22752..23000, 22815..22907, 22855..22992, 22904..22999		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16600	Strand	+
Start	440	End	6688
Name	OJ990701_06.9B19.C11.o1.gs	Method	GENSCAN
Start	440	End	6688
GI	none	Score	.43
Exons	440..525, 1858..1932, 4642..4697, 5773..5906, 6302..6688		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o2.np	Method	AAT/NAP
Start	10351	End	14635
GI	4455366	Score	688
Exons	10351..10515, 10659..10739, 10836..10926, 11083..11150, 12646..12732, 12805..12870, 13147..13203, 13293..13418, 13508..13598, 14450..14635		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o3.gs	Method	GENSCAN
Start	10351	End	22174
GI	none	Score	.55
Exons	10351..10585, 10660..10936, 11025..11150, 12195..12222, 12646..12732, 12970..13062, 13293..13418, 13508..13598, 13692..13780, 14410..14600, 14683..14781, 16986..17230, 17506..17776, 19007..19091, 19989..20430, 20669..20961, 21030..21141, 21286..21344, 21503..22174		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o1.gp	Method	AAT/GAP
Start	12117	End	12508
GI	3760512	Score	780
Exons	12117..12508		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o3.np	Method	AAT/NAP
Start	13505	End	22719
GI	6721512	Score	64
Exons	13505..13534, 17357..17424, 18217..18252, 19057..19164, 19193..19328, 22684..22719		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o2.gp	Method	AAT/GAP
Start	13700	End	15055
GI	3760513	Score	1066
Exons	13700..13780, 14410..14600, 14683..14978, 15030..15055		
GI Descrip.	4455366/emb|CAB36776.1| 2.0e-14 (AL035524) putative protein		

[Arabidopsis thaliana]

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o4.np	Method	AAT/NAP
Start	19362	End	20742
GI	6907089	Score	230
Exons	19362..19414, 20046..20742		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16601	Strand	+
Start	10351	End	22719
Name	OJ990701_06.9B19.C11.o5.np	Method	AAT/NAP
Start	20083	End	22171
GI	6721561	Score	902
Exons	20083..20151, 21030..21215, 21286..21345, 21411..22171		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16602	Strand	-
Start	6334	End	6469
Name	OJ990701_06.9B19.C11.o1.np	Method	AAT/NAP
Start	6334	End	6469
GI	3219271	Score	63
Exons	6334..6469		
GI Descrip.	(AB015315) MAP kinase kinase 4 [Arabidopsis thaliana]		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16603	Strand	-
Start	7208	End	9311
Name	OJ990701_06.9B19.C11.o2.gs	Method	GENSCAN
Start	7208	End	9311
GI	none	Score	.57
Exons	7208..7472, 7606..7652, 7857..8302, 9119..9311		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o2.tc	Method	TBLASTX:Cress
Start	10653	End	11094
GI	none	Score	103
Exons	10653..10748, 10827..10937, 11023..11064, 11062..11094		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	10692	End	13427
GI	none	Score	72
Exons	10692..10745, 10833..10937, 10833..10937, 11020..11151, 11020..11151, 11024..11176, 11030..11155, 12493..12561,		

12493..12561, 12494..12565, 12494..12565, 12638..12733,
12640..12735, 12645..12734, 12792..12887, 12793..12873,
12804..12887, 12970..13062, 12970..13065, 13123..13203,
13146..13202, 13148..13204, 13292..13324, 13293..13337,
13329..13427, 13332..13394

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	12493	End	13050
GI	none	Score	122
Exons	12493..12552, 12494..12562, 12639..12734, 12640..12735, 12643..12735, 12792..12866, 12793..12873, 12805..12870, 12970..13050		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o3.ts	Method	TBLASTX:Soybean
Start	13296	End	13599
GI	none	Score	40
Exons	13296..13331, 13335..13421, 13477..13599, 13508..13597		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	13477	End	14901
GI	none	Score	91
Exons	13477..13599, 13501..13596, 13506..13601, 13508..13606, 13691..13783, 13691..13780, 13693..13788, 13693..13785, 14409..14600, 14410..14613, 14411..14602, 14675..14740, 14678..14725, 14679..14732, 14733..14804, 14742..14780, 14848..14901		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	13562	End	14740
GI	none	Score	43
Exons	13562..13585, 13691..13783, 13693..13785, 14409..14522, 14410..14544, 14514..14600, 14518..14601, 14675..14740		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492
Name	OJ990701_06.9B19.C11.o2.ts	Method	TBLASTX:Soybean
Start	14414	End	14740
GI	none	Score	132
Exons	14414..14443, 14415..14513, 14416..14544, 14514..14600, 14518..14601, 14518..14613, 14675..14740		

Seq. No.	7870	Seq. ID	OJ990701_06.9B19.C11
Gene No.	16604	Strand	-
Start	22218	End	22492

Name	OJ990701_06.9B19.C11.o3.gp	Method	AAT/GAP
Start	22218	End	22492
GI	61605_1.R1084	Score	477
Exons	22218..22492		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16605	Strand	+
Start	114	End	908
Name	OJ990701_06.9B19.C12.o1.gs	Method	GENSCAN
Start	114	End	908
GI	none	Score	.55
Exons	114..129, 277..311, 783..908		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16605	Strand	+
Start	114	End	908
Name	OJ990701_06.9B19.C12.o1.gp	Method	AAT/GAP
Start	651	End	880
GI	101153_1.R1084	Score	396
Exons	651..880		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16606	Strand	+
Start	5147	End	6965
Name	OJ990701_06.9B19.C12.o3.gs	Method	GENSCAN
Start	5147	End	6965
GI	none	Score	.74
Exons	5147..5228, 5295..5390, 5480..5543, 5601..5725, 6170..6291, 6492..6965		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16607	Strand	+
Start	14694	End	18016
Name	OJ990701_06.9B19.C12.o6.np	Method	AAT/NAP
Start	14694	End	18016
GI	6721512	Score	86
Exons	14694..14715, 16288..16396, 16425..16566, 17991..18016		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16608	Strand	+
Start	20114	End	22769
Name	OJ990701_06.9B19.C12.o3.gp	Method	AAT/GAP
Start	20114	End	22769
GI	22292_1.R1084	Score	340
Exons	20114..20219, 22673..22769		
GI Descrip.	'4455366/emb|CAB36776.1| 2.0e-14 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o1.np	Method	AAT/NAP

Start	42	End	2477
GI	6063554	Score	387
Exons	42..215, 851..880, 1868..2146, 2257..2477		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o3.np	Method	AAT/NAP
Start	182	End	12283
GI	5852175	Score	187
Exons	182..277, 848..904, 1877..1972, 8568..8620, 9352..9706, 12185..12283		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o2.gs	Method	GENSCAN
Start	1587	End	4269
GI	none	Score	.42
Exons	1587..1695, 1747..2047, 3264..4269		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o2.np	Method	AAT/NAP
Start	3200	End	4614
GI	4680179	Score	785
Exons	3200..4271, 4553..4614		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o4.tm	Method	TBLASTX:Maize
Start	3607	End	3870
GI	none	Score	106
Exons	3607..3870, 3683..3847		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o5.tw	Method	TBLASTX:Wheat
Start	3751	End	4107
GI	none	Score	81
Exons	3751..4107, 3752..3892, 3929..4099		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o2.gp	Method	AAT/GAP
Start	4812	End	5084
GI	61605_1.R1084	Score	475
Exons	4812..5084		

GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o4.np	Method	AAT/NAP
Start	7581	End	12055
GI	5902445	Score	2862
Exons	7581..8923, 10323..12055		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o3.tw	Method	TBLASTX:Wheat
Start	7603	End	8198
GI	none	Score	63
Exons	7603..7716, 7635..7718, 7746..8198, 7942..8049		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o4.gs	Method	GENSCAN
Start	7815	End	11866
GI	none	Score	.44
Exons	7815..8144, 8181..8487, 8721..9203, 9502..9738, 10327..10950, 10968..11866		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o4.tw	Method	TBLASTX:Wheat
Start	8220	End	8570
GI	none	Score	152
Exons	8220..8570, 8230..8460, 8331..8570		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o3.tm	Method	TBLASTX:Maize
Start	8358	End	8821
GI	none	Score	62
Exons	8358..8576, 8359..8472, 8547..8612, 8554..8772, 8558..8701, 8729..8821		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o6.tw	Method	TBLASTX:Wheat
Start	10575	End	11018
GI	none	Score	94
Exons	10575..10748, 10756..10962, 10758..11018		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358

Name	OJ990701_06.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	11060	End	11485
GI	none	Score	74
Exons	11060..11485, 11337..11426		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o2.tw	Method	TBLASTX:Wheat
Start	11115	End	11539
GI	none	Score	235
Exons	11115..11429, 11117..11539, 11147..11536		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	11213	End	11596
GI	none	Score	114
Exons	11213..11596, 11214..11429		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	11624	End	11980
GI	none	Score	212
Exons	11624..11980, 11625..11939		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	11654	End	12109
GI	none	Score	375
Exons	11654..12109, 11655..12101, 11669..12109		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o5.np	Method	AAT/NAP
Start	12122	End	18358
GI	5902444	Score	957
Exons	12122..12466, 13481..15184, 18326..18358		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o8.tw	Method	TBLASTX:Wheat
Start	13481	End	13861
GI	none	Score	103
Exons	13481..13861, 13491..13793		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358

Name	OJ990701_06.9B19.C12.o7.tw	Method	TBLASTX:Wheat
Start	14353	End	14751
GI	none	Score	259
Exons	14353..14751		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o5.tm	Method	TBLASTX:Maize
Start	14515	End	14754
GI	none	Score	195
Exons	14515..14754		

Seq. No.	7871	Seq. ID	OJ990701_06.9B19.C12
Gene No.	16609	Strand	-
Start	42	End	18358
Name	OJ990701_06.9B19.C12.o6.gs	Method	GENSCAN
Start	15364	End	16353
GI	none	Score	.94
Exons	15364..16353		

Seq. No.	7872	Seq. ID	OJ990701_06.9B19.C13
Gene No.	16610	Strand	-
Start	551	End	620
Name	OJ990701_06.9B19.C13.o1.gs	Method	GENSCAN
Start	551	End	620
GI	none	Score	.98
Exons	551..620		

Seq. No.	7873	Seq. ID	OJ990701_06.9B19.C14
Gene No.	16611	Strand	-
Start	1	End	236
Name	OJ990701_06.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	236
GI	5295937	Score	392
Exons	1..236		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7873	Seq. ID	OJ990701_06.9B19.C14
Gene No.	16611	Strand	-
Start	1	End	236
Name	OJ990701_06.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	152
GI	none	Score	118
Exons	1..111, 3..152		

Seq. No.	7874	Seq. ID	OJ990701_06.9B19.C17
Gene No.	16612	Strand	-
Start	1	End	294
Name	OJ990701_06.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	294
GI	5733884	Score	125
Exons	1..294		
GI Descrip.	(AC007932) Similar to gb|U28007 Pto kinase interactor 1 (Pti1) from Lycopersicon esculentum and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	7875	Seq. ID	OJ990721_02.9B16.C2
Gene No.	16613	Strand	+
Start	756	End	839
Name	OJ990721_02.9B16.C2.o1.np	Method	AAT/NAP
Start	756	End	839
GI	5852084	Score	72
Exons	756..839		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16614	Strand	+
Start	2850	End	4054
Name	OJ990721_02.9B16.C3.o2.gs	Method	GENSCAN
Start	2850	End	4054
GI	none	Score	.52
Exons	2850..2879, 3003..3078, 3453..4054		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16615	Strand	+
Start	8012	End	8264
Name	OJ990721_02.9B16.C3.o4.gs	Method	GENSCAN
Start	8012	End	8264
GI	none	Score	.98
Exons	8012..8072, 8116..8264		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16616	Strand	-
Start	1613	End	2236
Name	OJ990721_02.9B16.C3.o1.np	Method	AAT/NAP
Start	1600	End	1986
GI	6907106	Score	275
Exons	1600..1844, 1882..1986		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16616	Strand	-
Start	1613	End	2236
Name	OJ990721_02.9B16.C3.o1.gs	Method	GENSCAN
Start	1613	End	2236
GI	none	Score	.72
Exons	1613..2026, 2222..2236		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16617	Strand	-
Start	3382	End	6928
Name	OJ990721_02.9B16.C3.o2.np	Method	AAT/NAP
Start	3382	End	6042
GI	3168840	Score	248
Exons	3382..3525, 4932..5065, 5958..6042		
GI Descrip.	(U88711) copper homeostasis factor [Arabidopsis thaliana]		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16617	Strand	-
Start	3382	End	6928
Name	OJ990721_02.9B16.C3.o2.gp	Method	AAT/GAP
Start	4659	End	6928

GI	21427_1.R1084	Score	1022
Exons	4659..5065, 5958..6033, 6852..6928		
GI Descrip.	'4191793 9.0e-19 (AC005917) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16617	Strand	-
Start	3382	End	6928
Name	OJ990721_02.9B16.C3.o3.gs	Method	GENSCAN
Start	4905	End	6860
GI	none	Score	.98
Exons	4905..5065, 5958..6033, 6852..6860		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o1.tm	Method	TBLASTX:Maize
Start	1697	End	1987
GI	none	Score	51
Exons	1697..1732, 1698..1733, 1727..1750, 1728..1751, 1803..1844, 1809..1868, 1836..1907, 1845..1982, 1845..1904, 1845..1973, 1883..1987, 1910..1984		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o2.tw	Method	TBLASTX:Wheat
Start	4836	End	6036
GI	none	Score	46
Exons	4836..4886, 4836..4886, 4935..5066, 4949..5059, 4951..5067, 5956..6036, 5957..6034		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o1.ts	Method	TBLASTX:Soybean
Start	4860	End	5069
GI	none	Score	71
Exons	4860..5069, 4866..5012, 4951..5067		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o1.tc	Method	TBLASTX:Cress
Start	4923	End	6036
GI	none	Score	135
Exons	4923..5066, 4951..5067, 5956..6036, 5957..6034		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o2.tm	Method	TBLASTX:Maize
Start	4923	End	5067
GI	none	Score	100
Exons	4923..5066, 4949..5059, 4951..5067		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3

Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o1.tw	Method	TBLASTX:Wheat
Start	9654	End	9978
GI	none	Score	54
Exons	9654..9689, 9700..9846, 9710..9847, 9870..9893, 9943..9978		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o5.gs	Method	GENSCAN
Start	9658	End	10032
GI	none	Score	.63
Exons	9658..10032		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o3.np	Method	AAT/NAP
Start	9685	End	10126
GI	4191793	Score	343
Exons	9685..10126		
GI Descrip.	(AC005917) putative SET-domain transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	7876	Seq. ID	OJ990721_02.9B16.C3
Gene No.	16618	Strand	-
Start	9658	End	10126
Name	OJ990721_02.9B16.C3.o3.gp	Method	AAT/GAP
Start	10016	End	10126
GI	2428309	Score	177
Exons	10016..10126		
GI Descrip.	4191793 9.0e-19 (AC005917) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	7877	Seq. ID	OJ990721_02.9B16.C4
Gene No.	16619	Strand	-
Start	1	End	106
Name	OJ990721_02.9B16.C4.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	2428309	Score	203
Exons	1..106		
GI Descrip.	4191793 9.0e-19 (AC005917) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	7877	Seq. ID	OJ990721_02.9B16.C4
Gene No.	16620	Strand	-
Start	43	End	3502
Name	OJ990721_02.9B16.C4.o1.gs	Method	GENSCAN
Start	43	End	501
GI	none	Score	.46
Exons	43..501		

Seq. No.	7877	Seq. ID	OJ990721_02.9B16.C4
Gene No.	16620	Strand	-
Start	43	End	3502
Name	OJ990721_02.9B16.C4.o1.np	Method	AAT/NAP

Start	204	End	3502
GI	119714	Score	300
Exons	204..580, 777..963, 3033..3502		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	7877	Seq. ID	OJ990721_02.9B16.C4
Gene No.	16620	Strand	-
Start	43	End	3502
Name	OJ990721_02.9B16.C4.o2.gs	Method	GENSCAN
Start	2482	End	3481
GI	none	Score	.69
Exons	2482..2603, 3366..3481		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16621	Strand	+
Start	444	End	1890
Name	OJ990721_02.9B16.C5.o1.gs	Method	GENSCAN
Start	444	End	1890
GI	none	Score	.49
Exons	444..1515, 1880..1890		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16622	Strand	+
Start	2272	End	5849
Name	OJ990721_02.9B16.C5.o2.gs	Method	GENSCAN
Start	2272	End	3321
GI	none	Score	.94
Exons	2272..3321		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16622	Strand	+
Start	2272	End	5849
Name	OJ990721_02.9B16.C5.o1.np	Method	AAT/NAP
Start	2390	End	5849
GI	4206306	Score	1375
Exons	2390..4348, 4563..5849		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o5.ts	Method	TBLASTX:Soybean
Start	2533	End	2901
GI	none	Score	143
Exons	2533..2751, 2767..2901		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o1.tw	Method	TBLASTX:Wheat
Start	2695	End	3104
GI	none	Score	617
Exons	2695..3102, 2703..3104, 2712..3035, 2813..3103		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o3.tm	Method	TBLASTX:Maize
Start	2755	End	2970
GI	none	Score	301
Exons	2755..2970, 2757..2969, 2758..2970		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o1.tm	Method	TBLASTX:Maize
Start	2971	End	3428
GI	none	Score	462
Exons	2971..3303, 2973..3035, 3090..3302, 3296..3427, 3302..3427, 3303..3428		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o3.ts	Method	TBLASTX:Soybean
Start	3118	End	3583
GI	none	Score	162
Exons	3118..3306, 3148..3267, 3153..3281, 3300..3395, 3314..3406, 3396..3581, 3437..3583		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o3.tw	Method	TBLASTX:Wheat
Start	3121	End	3497
GI	none	Score	145
Exons	3121..3306, 3175..3264, 3297..3419, 3396..3497		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o2.ts	Method	TBLASTX:Soybean
Start	3734	End	4151
GI	none	Score	191
Exons	3734..3868, 3735..3878, 3908..3994, 3909..4151, 4034..4147		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o2.tw	Method	TBLASTX:Wheat
Start	3780	End	4214
GI	none	Score	89
Exons	3780..3869, 3924..4214, 3935..3997, 4028..4129		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o5.tm	Method	TBLASTX:Maize
Start	4665	End	5018
GI	none	Score	207
Exons	4665..5018		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o6.ts	Method	TBLASTX:Soybean
Start	4872	End	5267
GI	none	Score	218
Exons	4872..5267, 4970..5167		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o5.tw	Method	TBLASTX:Wheat
Start	5028	End	5387
GI	none	Score	174
Exons	5028..5387		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o4.tw	Method	TBLASTX:Wheat
Start	5421	End	5834
GI	none	Score	92
Exons	5421..5558, 5435..5578, 5610..5834		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o4.ts	Method	TBLASTX:Soybean
Start	5610	End	5855
GI	none	Score	251
Exons	5610..5855, 5654..5740, 5810..5851		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o6.tm	Method	TBLASTX:Maize
Start	5628	End	5858
GI	none	Score	97
Exons	5628..5705, 5691..5759, 5757..5858		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o1.gp	Method	AAT/GAP
Start	7276	End	7806
GI	5004343	Score	1058
Exons	7276..7806		
GI Descrip.	2833627/gb|AC003671|F17O7 1.0e-08 Arabidopsis thaliana chromosome 1 BAC F17O7 complete sequence [Arabidopsis thaliana]		

Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o4.gs	Method	GENSCAN
Start	7315	End	8658
GI	none	Score	.66

Exons	7315..7861, 8537..8658		
Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o3.np	Method	AAT/NAP
Start	7330	End	8772
GI	3176684	Score	624
Exons	7330..7861, 8537..8772		
GI Descrip.	(AC003671) Contains similarity to equilibratiave nucleoside transporter 1 gb|U81375 from Homo sapiens. ESTs gb|N65317, gb|T20785, gb|AA586285 and gb|AA712578 come from this gene. [Arabidopsis thaliana]		
Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o4.tm	Method	TBLASTX:Maize
Start	7360	End	7581
GI	none	Score	248
Exons	7360..7581, 7428..7577		
Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o1.ts	Method	TBLASTX:Soybean
Start	7432	End	7800
GI	none	Score	375
Exons	7432..7800, 7434..7799		
Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o1.tc	Method	TBLASTX:Cress
Start	7434	End	7698
GI	none	Score	210
Exons	7434..7604, 7435..7620, 7564..7698, 7629..7697		
Seq. No.	7878	Seq. ID	OJ990721_02.9B16.C5
Gene No.	16623	Strand	+
Start	7315	End	8772
Name	OJ990721_02.9B16.C5.o2.tm	Method	TBLASTX:Maize
Start	7581	End	8676
GI	none	Score	384
Exons	7581..7862, 7582..7863, 8533..8676, 8535..8624		
Seq. No.	7879	Seq. ID	OJ990721_02.9B16.C6
Gene No.	16624	Strand	+
Start	140	End	214
Name	OJ990721_02.9B16.C6.o1.gs	Method	GENSCAN
Start	140	End	214
GI	none	Score	.7
Exons	140..214		
Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16625	Strand	+
Start	10288	End	10452

Name	OJ990721_02.9B16.C7.o1.gp	Method	AAT/GAP
Start	10288	End	10452
GI	15861_1.R1084	Score	262
Exons	10288..10452		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16626	Strand	-
Start	7539	End	10994
Name	OJ990721_02.9B16.C7.o2.gs	Method	GENSCAN
Start	7539	End	10994
GI	none	Score	.78
Exons	7539..7675, 9037..9085, 10289..10441, 10689..10994		

Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16626	Strand	-
Start	7539	End	10994
Name	OJ990721_02.9B16.C7.o1.np	Method	AAT/NAP
Start	9037	End	10487
GI	3738309	Score	136
Exons	9037..9141, 10289..10487		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16626	Strand	-
Start	7539	End	10994
Name	OJ990721_02.9B16.C7.o1.ts	Method	TBLASTX:Soybean
Start	10276	End	10489
GI	none	Score	146
Exons	10276..10419, 10289..10489, 10293..10457		

Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16626	Strand	-
Start	7539	End	10994
Name	OJ990721_02.9B16.C7.o1.tm	Method	TBLASTX:Maize
Start	10288	End	10492
GI	none	Score	191
Exons	10288..10452, 10289..10492, 10296..10457		

Seq. No.	7880	Seq. ID	OJ990721_02.9B16.C7
Gene No.	16626	Strand	-
Start	7539	End	10994
Name	OJ990721_02.9B16.C7.o1.tw	Method	TBLASTX:Wheat
Start	10291	End	10492
GI	none	Score	195
Exons	10291..10443, 10292..10492, 10293..10457		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16627	Strand	+
Start	407	End	675
Name	OJ990721_02.9B16.C8.o1.gs	Method	GENSCAN
Start	407	End	675
GI	none	Score	.98
Exons	407..576, 624..675		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8

Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o3.gs	Method	GENSCAN
Start	5520	End	13377
GI	none	Score	.73
Exons	5520..5653, 6162..6251, 6277..6580, 7317..7382, 8453..8504, 9236..9413, 9496..9596, 10181..10325, 10412..10501, 11901..12200, 12305..12487, 12587..12773, 12856..13166, 13206..13377		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o1.np	Method	AAT/NAP
Start	6643	End	6947
GI	6815099	Score	102
Exons	6643..6947		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o2.np	Method	AAT/NAP
Start	6840	End	6947
GI	6815099	Score	128
Exons	6840..6947		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o1.gp	Method	AAT/GAP
Start	8413	End	10492
GI	27379_1.R1084	Score	828
Exons	8413..8504, 9373..9413, 9496..9596, 10181..10325, 10412..10492		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 4.0e-59 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o3.np	Method	AAT/NAP
Start	9361	End	11208
GI	133867	Score	663
Exons	9361..9413, 9496..9596, 10181..10325, 10412..10501, 11121..11208		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o4.np	Method	AAT/NAP
Start	11812	End	13370
GI	2388565	Score	1107

Exons	11812..12194, 12305..12476, 12567..12773, 12856..13115, 13206..13370		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb|X95991). [Arabidopsis thaliana]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16628	Strand	+
Start	5520	End	13377
Name	OJ990721_02.9B16.C8.o2.gp	Method	AAT/GAP
Start	11813	End	12372
GI	701877	Score	846
Exons	11813..12200, 12305..12372		
GI Descrip.	2388565 2.0e-18 (AC000098) Similar to Prunus pectinesterase (gb_X95991). [Arabidopsis thaliana]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16629	Strand	+
Start	28656	End	31407
Name	OJ990721_02.9B16.C8.o6.gs	Method	GENSCAN
Start	28656	End	31407
GI	none	Score	.85
Exons	28656..29089, 29246..29277, 29403..29462, 31298..31407		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16630	Strand	-
Start	3322	End	5120
Name	OJ990721_02.9B16.C8.o2.gs	Method	GENSCAN
Start	3322	End	5120
GI	none	Score	.85
Exons	3322..3462, 3690..4127, 4371..4465, 4826..5120		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o3.gp	Method	AAT/GAP
Start	13458	End	15253
GI	24450_1.R1084	Score	1564
Exons	13458..13883, 13993..14149, 14249..14363, 15034..15101, 15183..15253		
GI Descrip.	'2388565 2.0e-18 (AC000098) Similar to Prunus pectinesterase (gb_X95991). [Arabidopsis thaliana]'		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o4.gs	Method	GENSCAN
Start	13786	End	17974
GI	none	Score	.81
Exons	13786..13883, 13993..14149, 14318..14363, 15034..15101, 15183..15326, 15430..15507, 15617..15699, 15789..15828, 16206..16309, 16397..16486, 16859..16898, 17000..17217, 17240..17294, 17804..17974		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o5.np	Method	AAT/NAP

Start	13789	End	18001
GI	6136087	Score	1594
Exons	13789..13883, 13993..14149, 14249..14363, 15034..15101, 15183..15326, 15430..15507, 15617..15699, 15789..15828, 16011..16085, 16206..16321, 16397..16486, 16859..16898, 17000..17151, 17240..17294, 17804..18001		
GI Descrip.	PROBABLE UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE gi|3033397|gb|AAC12841.1| (AC004238) putative UDP-N-acetylglucosamine pyrophosphorylase [Arabidopsis thaliana]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o4.gp	Method	AAT/GAP
Start	16794	End	17294
GI	64392_1.R1084	Score	393
Exons	16794..16898, 17000..17151, 17240..17294		
GI Descrip.	'3033397 7.0e-28 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o5.gp	Method	AAT/GAP
Start	17000	End	17299
GI	64392_1.R1084	Score	371
Exons	17000..17151, 17240..17299		
GI Descrip.	'3033397 7.0e-28 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16631	Strand	-
Start	13458	End	18001
Name	OJ990721_02.9B16.C8.o6.gp	Method	AAT/GAP
Start	17419	End	17482
GI	2310474	Score	80
Exons	17419..17482		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16632	Strand	-
Start	19915	End	27648
Name	OJ990721_02.9B16.C8.o5.gs	Method	GENSCAN
Start	19915	End	27648
GI	none	Score	.61
Exons	19915..19978, 21793..24020, 24539..24685, 26166..26264, 26345..26443, 26577..26672, 26756..26854, 26950..27648		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16632	Strand	-
Start	19915	End	27648
Name	OJ990721_02.9B16.C8.o7.gp	Method	AAT/GAP
Start	22400	End	22642
GI	2797252	Score	466
Exons	22400..22642		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16633	Strand	-
Start	30286	End	31133
Name	OJ990721_02.9B16.C8.o7.np	Method	AAT/NAP
Start	30286	End	31133
GI	6815099	Score	84
Exons	30286..30412, 30956..31133		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o4.tm	Method	TBLASTX:Maize
Start	9369	End	11374
GI	none	Score	43
Exons	9369..9404, 9370..9411, 9372..9410, 9486..9533, 9491..9595, 9492..9596, 9493..9597, 9539..9598, 9541..9600, 10171..10359, 10175..10327, 10179..10334, 10409..10501, 10410..10502, 10414..10503, 11115..11216, 11115..11279, 11116..11226, 11300..11374		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o3.tc	Method	TBLASTX:Cress
Start	9370	End	11222
GI	none	Score	67
Exons	9370..9411, 9372..9410, 9499..9594, 9539..9598, 9541..9597, 10171..10359, 10179..10334, 10410..10502, 10411..10503, 10411..10500, 10412..10507, 10412..10501, 11115..11222, 11116..11178		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o4.ts	Method	TBLASTX:Soybean
Start	9370	End	11213
GI	none	Score	62
Exons	9370..9411, 9372..9410, 9493..9591, 9539..9595, 9541..9594, 10171..10326, 10182..10334, 10183..10335, 10417..10500, 10419..10502, 10424..10501, 11115..11213, 11116..11172		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o2.tw	Method	TBLASTX:Wheat
Start	12044	End	12773
GI	none	Score	38
Exons	12044..12076, 12085..12198, 12306..12395, 12564..12773, 12566..12763		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o5.ts	Method	TBLASTX:Soybean
Start	12306	End	12779
GI	none	Score	73

Exons	12306..12401, 12408..12473, 12564..12773, 12566..12757, 12576..12779		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o5.tc	Method	TBLASTX:Cress
Start	12566	End	13074
GI	none	Score	266
Exons	12566..12751, 12567..12773, 12606..12779, 12913..12984, 12958..13074		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o8.tm	Method	TBLASTX:Maize
Start	12566	End	12782
GI	none	Score	276
Exons	12566..12757, 12567..12782		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o6.tm	Method	TBLASTX:Maize
Start	12921	End	13352
GI	none	Score	200
Exons	12921..13103, 12922..13113, 13207..13347, 13212..13352		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o3.ts	Method	TBLASTX:Soybean
Start	12984	End	13347
GI	none	Score	210
Exons	12984..13112, 12985..13116, 12994..13116, 13204..13347, 13215..13343		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o2.tm	Method	TBLASTX:Maize
Start	13567	End	16248
GI	none	Score	38
Exons	13567..13617, 13630..13665, 13641..13682, 13643..13666, 13740..13856, 13763..13891, 13765..13887, 13991..14158, 13992..14147, 14237..14362, 14244..14366, 14245..14361, 14246..14362, 14985..15101, 15030..15098, 15145..15330, 15165..15329, 15182..15358, 15425..15508, 15425..15508, 15430..15513, 15430..15513, 15611..15700, 15614..15700, 15615..15701, 15789..15830, 15790..15828, 16008..16085, 16009..16086, 16010..16087, 16203..16247, 16213..16248		
Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o1.tw	Method	TBLASTX:Wheat
Start	13760	End	14126

GI	none	Score	154
Exons	13760..13873, 13784..13885, 13786..13887, 13987..14124, 13991..14125, 13992..14126		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o2.ts	Method	TBLASTX:Soybean
Start	13781	End	17114
GI	none	Score	118
Exons	13781..13885, 13786..13887, 13991..14158, 13992..14141, 14120..14155, 14229..14351, 14246..14362, 14247..14357, 15013..15102, 15033..15101, 15145..15336, 15165..15329, 15430..15507, 15437..15508, 15443..15511, 15444..15524, 15614..15703, 15615..15701, 15616..15702, 15790..15828, 15792..15839, 15794..15829, 16008..16085, 16009..16086, 16201..16302, 16203..16301, 16216..16308, 16391..16477, 16392..16478, 16392..16493, 16402..16485, 16855..16899, 16857..16901, 17007..17114, 17030..17095		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o1.tc	Method	TBLASTX:Cress
Start	13786	End	14333
GI	none	Score	94
Exons	13786..13887, 13787..13885, 13991..14158, 13992..14144, 14246..14332, 14247..14333		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o4.tc	Method	TBLASTX:Cress
Start	15165	End	15502
GI	none	Score	151
Exons	15165..15329, 15169..15336, 15187..15336, 15430..15501, 15437..15502		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o7.tc	Method	TBLASTX:Cress
Start	16221	End	17908
GI	none	Score	104
Exons	16221..16298, 16222..16299, 16407..16493, 16408..16485, 16855..16905, 16857..16904, 17004..17153, 17030..17092, 17235..17297, 17239..17292, 17804..17908		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o7.tm	Method	TBLASTX:Maize
Start	16254	End	17902
GI	none	Score	55
Exons	16254..16307, 16255..16299, 16398..16493, 16399..16485, 16405..16515, 16406..16516, 16407..16502, 16855..16917, 16857..16904, 16998..17081, 16999..17142, 17001..17162,		

17235..17297, 17239..17295, 17804..17896, 17804..17902

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o5.tm	Method	TBLASTX:Maize
Start	22152	End	23683
GI	none	Score	46

Exons 22152..22214, 22208..22324, 22211..22324, 22222..22338, 22225..22335, 22309..22470, 22320..22490, 22347..22490, 22371..22517, 22384..22500, 22394..22567, 22396..22503, 22399..22554, 22399..22644, 22400..22573, 22401..22793, 22402..22716, 22404..22589, 22412..22639, 22412..22711, 22420..22647, 22468..22701, 22468..22689, 22470..22787, 22470..22709, 22471..22791, 22471..22716, 22480..22698, 22482..22913, 22533..22577, 22535..22588, 22536..22991, 22537..22770, 22544..22831, 22558..22923, 22582..22830, 22596..22688, 22610..22873, 22611..23057, 22615..22989, 22652..22870, 22663..22914, 22663..22896, 22665..22973, 22666..22899, 22668..22913, 22690..22992, 22723..22773, 22724..22771, 22731..22775, 22731..22775, 22746..23105, 22746..23105, 22761..22994, 22780..22971, 22794..22886, 22805..22984, 22854..23111, 22861..23094, 22863..23132, 22864..23100, 22878..23120, 22922..22969, 22932..23102, 22943..23116, 22987..23091, 23110..23262, 23121..23297, 23131..23322, 23131..23229, 23132..23308, 23137..23256, 23138..23287, 23158..23229, 23159..23230, 23159..23290, 23164..23325, 23182..23286, 23183..23248, 23212..23325, 23218..23325, 23296..23463, 23318..23494, 23321..23419, 23322..23555, 23325..23540, 23325..23513, 23326..23475, 23328..23645, 23331..23483, 23335..23643, 23338..23649, 23343..23636, 23345..23671, 23346..23669, 23363..23683, 23377..23490, 23393..23635

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o9.tm	Method	TBLASTX:Maize
Start	24530	End	26259
GI	none	Score	140

Exons 24530..24685, 24533..24685, 24625..24687, 26169..26231, 26178..26255, 26179..26259

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o8.gp	Method	AAT/GAP
Start	31515	End	33115
GI	30332_1.R1084	Score	1681

Exons 31515..31890, 32408..32534, 32616..32963, 33040..33115

GI Descrip. '5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o1.tm	Method	TBLASTX:Maize

Start	31727	End	32952
GI	none	Score	199
Exons	31727..31891, 31743..31892, 32400..32534, 32415..32537, 32417..32536, 32611..32952, 32616..32951		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o6.tc	Method	TBLASTX:Cress
Start	31727	End	31892
GI	none	Score	192
Exons	31727..31891, 31749..31892		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o1.ts	Method	TBLASTX:Soybean
Start	31733	End	33642
GI	none	Score	184
Exons	31733..31891, 31743..31892, 32401..32535, 32409..32555, 32409..32534, 32411..32539, 32611..32958, 32616..32966, 32616..32960, 32695..32964, 33026..33250, 33028..33252, 33036..33251, 33040..33252, 33468..33539, 33474..33641, 33479..33640, 33529..33642		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o7.gs	Method	GENSCAN
Start	31734	End	33788
GI	none	Score	.89
Exons	31734..31890, 31945..32050, 32408..32518, 32690..32963, 33040..33249, 33479..33700, 33732..33788		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o8.np	Method	AAT/NAP
Start	31742	End	33876
GI	3033398	Score	1554
Exons	31742..31890, 32408..32534, 32616..32963, 33040..33249, 33479..33636, 33732..33876		
GI Descrip.	(AC004238) putative phosphoribosylaminoimidazolecarboxamide formyltransferase [Arabidopsis thaliana]		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o3.tm	Method	TBLASTX:Maize
Start	33026	End	33874
GI	none	Score	295
Exons	33026..33250, 33039..33251, 33040..33252, 33040..33252, 33474..33638, 33477..33539, 33479..33643, 33479..33646, 33730..33873, 33731..33874		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-

Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o9.gp	Method	AAT/GAP
Start	33186	End	33876
GI	LIB3475-002-P1-K2-A6	Score	690
Exons	33186..33249, 33479..33636, 33732..33876		
GI Descrip.	'3033398 5.0e-59 (AC004238) putative phosphoribosylaminoimidazolecarboxamide formyltransferase [Arabidopsis thaliana]'		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o2.tc	Method	TBLASTX:Cress
Start	33201	End	33875
GI	none	Score	70
Exons	33201..33251, 33202..33252, 33474..33635, 33479..33628, 33739..33873, 33742..33873, 33743..33874, 33744..33875		

Seq. No.	7881	Seq. ID	OJ990721_02.9B16.C8
Gene No.	16634	Strand	-
Start	31515	End	33876
Name	OJ990721_02.9B16.C8.o6.ts	Method	TBLASTX:Soybean
Start	33739	End	33876
GI	none	Score	143
Exons	33739..33876, 33743..33874		

Seq. No.	7882	Seq. ID	OJ990721_02.9B16.C10
Gene No.	16635	Strand	+
Start	100	End	249
Name	OJ990721_02.9B16.C10.o1.gs	Method	GENSCAN
Start	100	End	249
GI	none	Score	.89
Exons	100..249		

Seq. No.	7883	Seq. ID	OJ990721_02.9B16.C12
Gene No.	16636	Strand	-
Start	245	End	433
Name	OJ990721_02.9B16.C12.o1.gs	Method	GENSCAN
Start	245	End	433
GI	none	Score	.63
Exons	245..433		

Seq. No.	7884	Seq. ID	OJ990721_02.9B16.C13
Gene No.	16637	Strand	-
Start	1	End	855
Name	OJ990721_02.9B16.C13.o1.np	Method	AAT/NAP
Start	1	End	855
GI	3033398	Score	235
Exons	1..70, 236..332, 724..855		
GI Descrip.	(AC004238) putative phosphoribosylaminoimidazolecarboxamide formyltransferase [Arabidopsis thaliana]		

Seq. No.	7885	Seq. ID	OJ990721_02.9B16.C14
Gene No.	16638	Strand	+
Start	1	End	1829
Name	OJ990721_02.9B16.C14.o1.np	Method	AAT/NAP
Start	1	End	1613

GI	2224915	Score	349
Exons	1..85, 578..639, 1137..1613		
GI Descrip.	(U95968) beta-expansin [Oryza sativa]		

Seq. No.	7885	Seq. ID	OJ990721_02.9B16.C14
Gene No.	16638	Strand	+
Start	1	End	1829
Name	OJ990721_02.9B16.C14.o1.gs	Method	GENSCAN
Start	538	End	1829
GI	none	Score	.84
Exons	538..597, 1185..1287, 1333..1538, 1698..1829		

Seq. No.	7885	Seq. ID	OJ990721_02.9B16.C14
Gene No.	16638	Strand	+
Start	1	End	1829
Name	OJ990721_02.9B16.C14.o1.tm	Method	TBLASTX:Maize
Start	1134	End	1540
GI	none	Score	69
Exons	1134..1172, 1136..1171, 1176..1478, 1177..1479, 1225..1491, 1477..1509, 1507..1539, 1511..1540		

Seq. No.	7885	Seq. ID	OJ990721_02.9B16.C14
Gene No.	16638	Strand	+
Start	1	End	1829
Name	OJ990721_02.9B16.C14.o1.tw	Method	TBLASTX:Wheat
Start	1176	End	1505
GI	none	Score	362
Exons	1176..1373, 1177..1425, 1225..1440, 1418..1444, 1431..1505, 1444..1479		

Seq. No.	7885	Seq. ID	OJ990721_02.9B16.C14
Gene No.	16638	Strand	+
Start	1	End	1829
Name	OJ990721_02.9B16.C14.o1.ts	Method	TBLASTX:Soybean
Start	1180	End	1539
GI	none	Score	247
Exons	1180..1419, 1191..1373, 1444..1506, 1495..1539		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16639	Strand	+
Start	72	End	4434
Name	OJ990721_02.9B16.C15.o1.gs	Method	GENSCAN
Start	72	End	3847
GI	none	Score	.54
Exons	72..137, 943..1070, 1200..1295, 1400..1463, 3063..3520, 3531..3613, 3696..3847		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16639	Strand	+
Start	72	End	4434
Name	OJ990721_02.9B16.C15.o1.np	Method	AAT/NAP
Start	1217	End	4434
GI	5257260	Score	389
Exons	1217..1350, 3253..3696, 4389..4434		
GI Descrip.	(AP000364) Similar to sequence of BAC F7G19 from Arabidopsis thaliana. (AC000106) [Oryza sativa]		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16639	Strand	+
Start	72	End	4434
Name	OJ990721_02.9B16.C15.o1.gp	Method	AAT/GAP
Start	3493	End	4098
GI	3760094	Score	1124
Exons	3493..4098		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.tc	Method	TBLASTX:Cress
Start	3341	End	3658
GI	none	Score	265
Exons	3341..3553, 3342..3542, 3482..3559, 3545..3658, 3553..3657		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o4.tm	Method	TBLASTX:Maize
Start	3341	End	3658
GI	none	Score	257
Exons	3341..3541, 3342..3542, 3345..3542, 3386..3547, 3563..3658, 3568..3657		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.ts	Method	TBLASTX:Soybean
Start	3341	End	3676
GI	none	Score	265
Exons	3341..3553, 3342..3542, 3545..3676, 3553..3657		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o5.tm	Method	TBLASTX:Maize
Start	4746	End	4951
GI	none	Score	191
Exons	4746..4943, 4751..4951, 4751..4945		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o1.tc	Method	TBLASTX:Cress
Start	4748	End	8705
GI	none	Score	83
Exons	4748..4939, 4770..4937, 5240..5806, 5274..5807, 6319..6594, 6323..6583, 6599..6643, 6754..6885, 6936..6995, 7085..7306, 7832..8065, 8464..8565, 8472..8585, 8571..8705, 8614..8661		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o1.ts	Method	TBLASTX:Soybean
Start	4751	End	7130
GI	none	Score	161

Exons	4751..4942, 4770..4940, 4773..4955, 4997..5098, 5187..5801, 5188..5397, 5237..5806, 5274..5807, 6332..6607, 6337..6594, 6760..6888, 6761..6880, 6936..6995, 6946..6993, 7085..7129, 7086..7130		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.gs	Method	GENSCAN
Start	4751	End	9227
GI	none	Score	.73
Exons	4751..5805, 6339..6593, 6759..6833, 7087..7347, 7710..7760, 7831..8076, 8474..8699, 9108..9227		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.np	Method	AAT/NAP
Start	4754	End	9333
GI	4512624	Score	2650
Exons	4754..5805, 6339..6593, 6759..6873, 6939..6991, 7087..7347, 7710..7760, 7831..8076, 8474..8672, 9108..9211, 9291..9333		
GI Descrip.	(AC004793) Strong similarity to gi|3033401 F19I3.29 putative potassium transporter from Arabidopsis thaliana BAC gb|AC004238.		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o7.tm	Method	TBLASTX:Maize
Start	5098	End	5273
GI	none	Score	192
Exons	5098..5235, 5100..5273, 5138..5272		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o1.tm	Method	TBLASTX:Maize
Start	5274	End	5808
GI	none	Score	771
Exons	5274..5807, 5276..5806, 5368..5808		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.gp	Method	AAT/GAP
Start	5389	End	5824
GI	LIB3433-026-P1-K1-G4	Score	807
Exons	5389..5824		
GI Descrip.	'4512624/gb|AAD21693.1| 4.0e-59 (AC004793) Strong similarity to gi_3033401 F19I3.29 putative potassium transporter from Arabidopsis thaliana BAC gb_AC004238'		
Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o2.tm	Method	TBLASTX:Maize
Start	6332	End	6613

GI	none	Score	362
Exons	6332..6607, 6337..6594, 6338..6613		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o6.tm	Method	TBLASTX:Maize
Start	6740	End	7225
GI	none	Score	88
Exons	6740..6886, 6757..6888, 6936..6989, 6936..6995, 7085..7225		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o4.ts	Method	TBLASTX:Soybean
Start	7139	End	7349
GI	none	Score	133
Exons	7139..7306, 7152..7349		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o3.tm	Method	TBLASTX:Maize
Start	7226	End	8669
GI	none	Score	108
Exons	7226..7306, 7227..7349, 7227..7346, 7675..7764, 7733..7762, 7825..8088, 7831..8076, 7832..8122, 7833..8078, 8464..8547, 8472..8552, 8472..8555, 8556..8669, 8560..8661, 8565..8666		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o1.tw	Method	TBLASTX:Wheat
Start	7832	End	8085
GI	none	Score	62
Exons	7832..8065, 7833..7937, 7974..8075, 7975..8076, 7978..8085, 7983..8078		

Seq. No.	7886	Seq. ID	OJ990721_02.9B16.C15
Gene No.	16640	Strand	-
Start	4751	End	9333
Name	OJ990721_02.9B16.C15.o3.ts	Method	TBLASTX:Soybean
Start	8034	End	8684
GI	none	Score	68
Exons	8034..8078, 8464..8556, 8472..8543, 8547..8684, 8548..8682		

Seq. No.	7887	Seq. ID	OJ990721_02.9B16.C16
Gene No.	16641	Strand	+
Start	633	End	2435
Name	OJ990721_02.9B16.C16.o1.gs	Method	GENSCAN
Start	633	End	2186
GI	none	Score	.43
Exons	633..758, 1107..1224, 2149..2186		

Seq. No.	7887	Seq. ID	OJ990721_02.9B16.C16
Gene No.	16641	Strand	+
Start	633	End	2435

Name	OJ990721_02.9B16.C16.o1.gp	Method	AAT/GAP
Start	1884	End	2435
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	1884..1929, 2388..2435		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7887	Seq. ID	OJ990721_02.9B16.C16
Gene No.	16642	Strand	-
Start	2479	End	4304
Name	OJ990721_02.9B16.C16.o1.np	Method	AAT/NAP
Start	2479	End	4304
GI	6721512	Score	72
Exons	2479..2542, 3909..4007, 4050..4174, 4202..4304		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7887	Seq. ID	OJ990721_02.9B16.C16
Gene No.	16643	Strand	-
Start	9663	End	9970
Name	OJ990721_02.9B16.C16.o2.np	Method	AAT/NAP
Start	9663	End	9970
GI	128872	Score	128
Exons	9663..9970		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4L, CHLOROPLAST gi|66169|pir||QXZM4L NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4L - maize chloroplast gi|12422|emb|CAA31556| (X13159) ndhE gene product [Zea mays] gi|902286|emb|CAA60350| (X86563) NADH dehydrogenase ND4 [Zea mays] gi|226548|prf||1601520A ndhE gene [Zea mays]		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16644	Strand	+
Start	56	End	4138
Name	OJ990721_02.9B16.C17.o1.gs	Method	GENSCAN
Start	56	End	4138
GI	none	Score	.6
Exons	56..166, 1475..1722, 2136..2353, 2467..2653, 3775..3979, 3991..4138		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o2.np	Method	AAT/NAP
Start	14	End	12439
GI	6751696	Score	94
Exons	14..56, 5064..5184, 5245..5375, 6334..6495, 12218..12332, 12416..12439		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o5.tw	Method	TBLASTX:Wheat
Start	780	End	1134
GI	none	Score	108
Exons	780..905, 906..1025, 919..1002, 950..1003, 1024..1107,		

1026..1106, 1027..1134, 1037..1129

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o3.tm	Method	TBLASTX:Maize
Start	1130	End	1875
GI	none	Score	152
Exons	1130..1342, 1404..1658, 1494..1622, 1647..1697, 1834..1875		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o2.tw	Method	TBLASTX:Wheat
Start	1404	End	1757
GI	none	Score	310
Exons	1404..1757, 1469..1747		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o1.tm	Method	TBLASTX:Maize
Start	2036	End	2997
GI	none	Score	352
Exons	2036..2407, 2122..2319, 2377..2997, 2403..2456, 2511..2657, 2715..2888		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o1.tw	Method	TBLASTX:Wheat
Start	2090	End	2398
GI	none	Score	318
Exons	2090..2398, 2110..2322, 2111..2371		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o1.ts	Method	TBLASTX:Soybean
Start	2602	End	3129
GI	none	Score	57
Exons	2602..2658, 2607..2660, 2733..2927, 2734..2955, 2944..3129, 2964..3059		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o3.tw	Method	TBLASTX:Wheat
Start	2751	End	3302
GI	none	Score	277
Exons	2751..3059, 2752..3114, 3121..3159, 3204..3302		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o2.tm	Method	TBLASTX:Maize
Start	3200	End	3671

GI	none	Score	191
Exons	3200..3418, 3201..3431, 3437..3541, 3437..3541, 3540..3572, 3578..3670, 3579..3671		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o4.tw	Method	TBLASTX:Wheat
Start	3399	End	3766
GI	none	Score	45
Exons	3399..3437, 3431..3541, 3518..3766, 3540..3764		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o4.tm	Method	TBLASTX:Maize
Start	3840	End	4138
GI	none	Score	79
Exons	3840..4037, 3841..3948, 3845..4138, 3976..4107		

Seq. No.	7888	Seq. ID	OJ990721_02.9B16.C17
Gene No.	16645	Strand	-
Start	14	End	12439
Name	OJ990721_02.9B16.C17.o2.gs	Method	GENSCAN
Start	4584	End	12288
GI	none	Score	.44
Exons	4584..4664, 4938..5059, 5952..5989, 6156..6338, 6585..6782, 8842..8860, 9110..9212, 12238..12288		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16646	Strand	+
Start	5112	End	8049
Name	OJ990721_02.9B16.C18.o1.gp	Method	AAT/GAP
Start	5112	End	6401
GI	1631415	Score	632
Exons	5112..5193, 5866..5987, 6094..6178, 6328..6401		
GI Descrip.	3599491 9.0e-12 (AF085149) putative aminotransferase [Capsicum chinense]		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16646	Strand	+
Start	5112	End	8049
Name	OJ990721_02.9B16.C18.o3.gs	Method	GENSCAN
Start	5984	End	7789
GI	none	Score	.81
Exons	5984..5987, 6296..6400, 6583..6680, 6912..7004, 7751..7789		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16646	Strand	+
Start	5112	End	8049
Name	OJ990721_02.9B16.C18.o2.np	Method	AAT/NAP
Start	6074	End	8049
GI	3599491	Score	541
Exons	6074..6178, 6328..6400, 6583..6680, 6912..7004, 7294..7367, 7751..7789, 7951..8049		
GI Descrip.	(AF085149) putative aminotransferase [Capsicum chinense]		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16647	Strand	-
Start	2776	End	3011
Name	OJ990721_02.9B16.C18.o1.np	Method	AAT/NAP
Start	2776	End	3011
GI	4204315	Score	207
Exons	2776..3011		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16648	Strand	-
Start	4283	End	5060
Name	OJ990721_02.9B16.C18.o1.tm	Method	TBLASTX:Maize
Start	2779	End	2973
GI	none	Score	171
Exons	2779..2973, 2794..2970, 2808..2972		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16648	Strand	-
Start	4283	End	5060
Name	OJ990721_02.9B16.C18.o1.ts	Method	TBLASTX:Soybean
Start	2779	End	3024
GI	none	Score	148
Exons	2779..3024, 2798..3022		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16648	Strand	-
Start	4283	End	5060
Name	OJ990721_02.9B16.C18.o1.tc	Method	TBLASTX:Cress
Start	2782	End	3015
GI	none	Score	91
Exons	2782..3012, 2798..2995, 2815..3015		

Seq. No.	7889	Seq. ID	OJ990721_02.9B16.C18
Gene No.	16648	Strand	-
Start	4283	End	5060
Name	OJ990721_02.9B16.C18.o2.gs	Method	GENSCAN
Start	4283	End	5060
GI	none	Score	.44
Exons	4283..4503, 4994..5060		

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.np	Method	AAT/NAP
Start	1	End	1297
GI	3599491	Score	342
Exons	1..161, 688..735, 825..908, 1031..1118, 1195..1297		
GI Descrip.	(AF085149) putative aminotransferase [Capsicum chinense]		

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.tm	Method	TBLASTX:Maize
Start	83	End	1279
GI	none	Score	119
Exons	83..160, 87..173, 87..161, 679..750, 687..737, 824..904,		

825..917, 1018..1110, 1028..1120, 1030..1101, 1193..1267, 1194..1274, 1194..1274, 1196..1279

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.gp	Method	AAT/GAP
Start	87	End	1296
GI	2431326	Score	601
Exons	87..161, 688..735, 825..908, 1031..1118, 1195..1296		
GI Descrip.	3599491 1.0e-44 (AF085149) putative aminotransferase [Capsicum chinense]		

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.tc	Method	TBLASTX:Cress
Start	87	End	1259
GI	none	Score	126
Exons	87..173, 679..750, 690..737, 824..895, 824..895, 825..917, 835..909, 1028..1120, 1030..1101, 1194..1259, 1200..1235		

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.gs	Method	GENSCAN
Start	87	End	1141
GI	none	Score	.8
Exons	87..161, 688..735, 825..908, 1031..1141		

Seq. No.	7890	Seq. ID	OJ990721_02.9B16.C19
Gene No.	16649	Strand	+
Start	1	End	1297
Name	OJ990721_02.9B16.C19.o1.ts	Method	TBLASTX:Soybean
Start	87	End	1274
GI	none	Score	131
Exons	87..173, 87..161, 679..750, 693..755, 824..904, 825..917, 1026..1115, 1028..1120, 1030..1095, 1193..1273, 1194..1274		

Seq. No.	7891	Seq. ID	OJ990721_02.9B16.C20
Gene No.	16650	Strand	-
Start	108	End	256
Name	OJ990721_02.9B16.C20.o1.gp	Method	AAT/GAP
Start	108	End	256
GI	uC-osflcyp177g01a1	Score	237
Exons	108..256		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	7892	Seq. ID	OJ990601_07.9B12.C1
Gene No.	16651	Strand	-
Start	625	End	693
Name	OJ990601_07.9B12.C1.o1.gs	Method	GENSCAN
Start	625	End	693
GI	none	Score	.68
Exons	625..693		

Seq. No.	7893	Seq. ID	OJ990601_07.9B12.C2
Gene No.	16652	Strand	+
Start	277	End	497
Name	OJ990601_07.9B12.C2.o1.gs	Method	GENSCAN
Start	277	End	497
GI	none	Score	.7
Exons	277..497		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16653	Strand	+
Start	1	End	171
Name	OJ990601_07.9B12.C4.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	uC-osflcyp102g09a1	Score	273
Exons	1..171		
GI Descrip.	'4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]'		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	7	End	646
GI	none	Score	34
Exons	7..102, 122..187, 159..185, 259..366, 260..379, 261..377, 454..621, 455..628, 456..602, 620..646		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	260	End	646
GI	none	Score	163
Exons	260..379, 261..377, 455..628, 456..602, 484..621, 620..646		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o1.gs	Method	GENSCAN
Start	269	End	601
GI	none	Score	.65
Exons	269..376, 455..601		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	269	End	643
GI	none	Score	87
Exons	269..379, 282..377, 455..580, 455..643, 462..602		

Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o1.np	Method	AAT/NAP
Start	272	End	648
GI	4138137	Score	136

Exons	272..376, 455..648		
GI Descrip.	(AJ012796) ss-galactosidase [Lycopersicon esculentum]		
Seq. No.	7894	Seq. ID	OJ990601_07.9B12.C4
Gene No.	16654	Strand	-
Start	269	End	648
Name	OJ990601_07.9B12.C4.o2.gp	Method	AAT/GAP
Start	319	End	639
GI	2797583	Score	458
Exons	319..376, 455..639		
GI Descrip.	4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]		
Seq. No.	7895	Seq. ID	OJ990601_07.9B12.C5
Gene No.	16655	Strand	-
Start	698	End	785
Name	OJ990601_07.9B12.C5.o1.gp	Method	AAT/GAP
Start	698	End	785
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	698..785		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	7896	Seq. ID	OJ990601_07.9B12.C8
Gene No.	16656	Strand	+
Start	88	End	249
Name	OJ990601_07.9B12.C8.o1.gs	Method	GENSCAN
Start	88	End	249
GI	none	Score	.92
Exons	88..249		
Seq. No.	7897	Seq. ID	OJ990601_07.9B12.C9
Gene No.	16657	Strand	
Start	139	End	708
Name	OJ990601_07.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	139	End	708
GI	none	Score	104
Exons	139..306, 141..311, 142..306, 175..315, 196..312, 196..315, 199..312, 206..313, 210..311, 213..314, 236..313, 237..314, 336..371, 344..382, 353..382, 392..538, 428..535, 435..566, 450..554, 452..535, 459..536, 462..584, 577..708, 606..692, 608..643, 616..708		
Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16658	Strand	+
Start	43	End	380
Name	OJ990601_07.9B12.C10.o1.gp	Method	AAT/GAP
Start	43	End	380
GI	4716752	Score	439
Exons	43..380		
Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o2.gp	Method	AAT/GAP
Start	4870	End	5750

GI	none	Score	984
Exons	4870..5152, 5483..5750		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	5511	End	6399
GI	none	Score	72
Exons	5511..5627, 5562..5753, 5595..5747, 5596..5754, 6301..6399		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	5537	End	6423
GI	none	Score	56
Exons	5537..5584, 5544..5627, 5547..5585, 5562..5753, 5580..5744, 5581..5754, 6308..6418, 6309..6419, 6310..6423, 6310..6423		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o2.gs	Method	GENSCAN
Start	5544	End	5751
GI	none	Score	.99
Exons	5544..5751		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	5545	End	6424
GI	none	Score	174
Exons	5545..5721, 5559..5753, 5560..5754, 6310..6423, 6335..6424		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o1.np	Method	AAT/NAP
Start	5547	End	6481
GI	6730738	Score	332
Exons	5547..5754, 6308..6481		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	7898	Seq. ID	OJ990601_07.9B12.C10
Gene No.	16659	Strand	-
Start	4870	End	6481
Name	OJ990601_07.9B12.C10.o3.gp	Method	AAT/GAP
Start	6226	End	6424
GI	LIB3431-027-P1-K1-C6	Score	181
Exons	6226..6249, 6308..6424		
GI Descrip.	'5922612/dbj|BAA84613.1| 5.0e-25 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.tc	Method	TBLASTX:Cress
Start	426	End	1680
GI	none	Score	106
Exons	426..602, 427..600, 497..616, 675..863, 676..858, 965..1042, 967..1044, 1117..1218, 1130..1219, 1130..1261, 1150..1218, 1315..1437, 1328..1438, 1424..1492, 1426..1500, 1642..1680		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.gp	Method	AAT/GAP
Start	430	End	1265
GI	9896_1.R1084	Score	1017
Exons	430..599, 675..863, 946..1041, 1132..1265		
GI Descrip.	'5922612/dbj|BAA84613.1| 2.0e-34 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.gs	Method	GENSCAN
Start	433	End	1752
GI	none	Score	.85
Exons	433..599, 675..863, 1132..1260, 1333..1509, 1642..1752		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	433	End	1755
GI	none	Score	204
Exons	433..600, 435..602, 435..602, 675..788, 675..788, 676..789, 677..805, 780..863, 790..861, 797..865, 884..1042, 943..1044, 950..1042, 951..1049, 951..1049, 1112..1288, 1130..1219, 1131..1262, 1315..1476, 1316..1438, 1424..1510, 1426..1509, 1435..1512, 1436..1510, 1651..1755, 1652..1753, 1662..1754		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.np	Method	AAT/NAP
Start	433	End	2175
GI	6730738	Score	1056
Exons	433..599, 675..863, 946..1041, 1132..1260, 1333..1509, 1642..1756, 2150..2175		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	435	End	1761

GI	none	Score	92
Exons	435..602, 445..600, 675..719, 675..719, 720..863, 721..864, 929..1042, 943..1044, 950..1042, 1117..1218, 1131..1256, 1145..1261, 1315..1437, 1328..1438, 1334..1441, 1424..1510, 1426..1509, 1440..1532, 1445..1510, 1627..1755, 1637..1753, 1642..1761		

Seq. No.	7899	Seq. ID	OJ990601_07.9B12.C11
Gene No.	16660	Strand	-
Start	430	End	2175
Name	OJ990601_07.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	687	End	1042
GI	none	Score	44
Exons	687..776, 786..863, 805..861, 943..1041, 947..1042		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	5769
GI	6730738	Score	2329
Exons	1..57, 1226..1506, 1646..1820, 1927..2161, 2252..2379, 2467..2562, 2651..2746, 2886..2959, 3027..3096, 3674..3792, 3899..4013, 4098..4275, 4965..5123, 5253..5366, 5455..5634, 5732..5769		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.gs	Method	GENSCAN
Start	330	End	5603
GI	none	Score	.86
Exons	330..456, 705..820, 1226..1426, 1478..1579, 1656..1820, 1927..2161, 2252..2379, 2651..2746, 2886..2959, 3027..3096, 3190..3299, 3387..3540, 3674..3789, 3893..4013, 4098..4275, 4965..5123, 5253..5366, 5455..5603		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	1223	End	3730
GI	none	Score	174
Exons	1223..1372, 1227..1382, 1227..1382, 1482..1520, 1482..1514, 1656..1820, 1656..1820, 1657..1821, 1921..2163, 1922..2164, 2249..2380, 2251..2385, 2251..2385, 2459..2563, 2467..2565, 2467..2562, 2469..2564, 2648..2746, 2649..2747, 2650..2748, 2650..2748, 2864..2959, 2865..2960, 2871..2966, 2872..2967, 3025..3096, 3026..3097, 3026..3124, 3188..3298, 3189..3299, 3190..3306, 3194..3304, 3388..3543, 3389..3538, 3671..3730, 3675..3728		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.ts	Method	TBLASTX:Soybean

Start	1674	End	5769
GI	none	Score	144
Exons	1674..1820, 1684..1821, 1921..2163, 1922..2176, 2247..2357, 2249..2380, 2251..2385, 2252..2413, 2259..2381, 2459..2563, 2467..2565, 2467..2562, 2648..2746, 2649..2747, 2650..2748, 2865..2960, 2871..2966, 2887..2967, 3025..3096, 3026..3097, 3026..3109, 3027..3098, 3181..3300, 3188..3298, 3190..3306, 3194..3304, 3388..3450, 3388..3480, 3481..3543, 3672..3707, 3686..3751, 3687..3752, 3755..3787, 3756..3788, 3894..3929, 3895..3930, 3918..3980, 3924..3980, 3925..3981, 3943..3984, 3984..4010, 4101..4277, 4105..4278, 4106..4282, 4967..5125, 4967..5125, 4980..5138, 5008..5139, 5228..5374, 5229..5384, 5444..5575, 5445..5633, 5454..5636, 5455..5637, 5731..5769, 5733..5765, 5738..5767		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o2.tc	Method	TBLASTX:Cress
Start	1704	End	2326
GI	none	Score	88
Exons	1704..1754, 1737..1823, 1737..1820, 1763..1858, 1772..1828, 1921..2163, 1922..2176, 1931..2176, 2249..2326, 2251..2322, 2258..2323		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.gp	Method	AAT/GAP
Start	2255	End	3072
GI	uC-osroM202030h03b1	Score	782
Exons	2255..2379, 2467..2562, 2651..2746, 2886..2959, 3027..3072		
GI Descrip.	'5732035/gb|AAD48936.1|AF160760_4 9.0e-58 (AF160760) contains similarity to Pfam family PF0040 - WD domain, G-beta repeat; score=10.8, E=3.2, N-2 [Arabidopsis thaliana]'		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o3.tc	Method	TBLASTX:Cress
Start	2327	End	2747
GI	none	Score	72
Exons	2327..2380, 2329..2385, 2467..2562, 2468..2563, 2641..2736, 2648..2740, 2649..2747		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o5.tc	Method	TBLASTX:Cress
Start	2874	End	3256
GI	none	Score	78
Exons	2874..2966, 2905..2961, 3025..3096, 3038..3097, 3039..3098, 3190..3255, 3215..3256		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769

Name	OJ990601_07.9B12.C12.o4.tc	Method	TBLASTX:Cress
Start	3701	End	4212
GI	none	Score	61
Exons	3701..3778, 3897..3956, 3901..3957, 3957..3980, 4042..4080, 4095..4211, 4101..4211, 4102..4212		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	3731	End	5095
GI	none	Score	63
Exons	3731..3775, 3731..3790, 3732..3791, 3876..3971, 3894..3974, 3895..3981, 3969..4010, 3970..4008, 4101..4277, 4101..4277, 4105..4299, 4957..5094, 4967..5095, 4967..5095		

Seq. No.	7900	Seq. ID	OJ990601_07.9B12.C12
Gene No.	16661	Strand	-
Start	1	End	5769
Name	OJ990601_07.9B12.C12.o1.tc	Method	TBLASTX:Cress
Start	5001	End	5769
GI	none	Score	97
Exons	5001..5144, 5006..5125, 5228..5374, 5249..5365, 5256..5384, 5451..5633, 5454..5636, 5455..5637, 5731..5769, 5732..5767		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16662	Strand	-
Start	600	End	4467
Name	OJ990601_07.9B12.C14.o1.gp	Method	AAT/GAP
Start	465	End	719
GI	2796932	Score	427
Exons	465..719		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16662	Strand	-
Start	600	End	4467
Name	OJ990601_07.9B12.C14.o1.gs	Method	GENSCAN
Start	600	End	4279
GI	none	Score	.83
Exons	600..754, 1558..1644, 1753..1855, 2069..2200, 2289..2369, 2820..2903, 3084..3142, 3247..3323, 3481..3631, 4144..4279		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16662	Strand	-
Start	600	End	4467
Name	OJ990601_07.9B12.C14.o1.np	Method	AAT/NAP
Start	612	End	4467
GI	2492952	Score	1245
Exons	612..754, 993..1077, 1344..1409, 1550..1644, 1753..1855, 2069..2200, 2289..2369, 2571..2663, 2820..2903, 3084..3142, 3247..3323, 3481..3631, 4314..4467		
GI Descrip.	CHORISMATE SYNTHASE 1 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 1) gi|542026|pir||S40410 chorismate synthase (EC 4.6.1.4) 1 precursor - tomato gi|410482|emb|CAA79859| (Z21796) chorismate synthase 1 [Lycopersicon esculentum]		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16662	Strand	-
Start	600	End	4467
Name	OJ990601_07.9B12.C14.o2.gp	Method	AAT/GAP
Start	2595	End	4329
GI	16622_3.R1084	Score	1104
Exons	2595..2662, 2818..2903, 3084..3142, 3247..3323, 3481..3631, 4144..4329		
GI Descrip.	'2492953/sp|Q42885|ARC2_LYCES 5.0e-34 CHORISMATE SYNTHASE 2 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 2) >gi_542027_pir__S40409 chorismate synthase (EC 4.6.1.4) 2 precursor - tomato >gi_410484_emb_CAA79854_ (Z21791) chorismate synthase 2 [Lycopersicon esculentum]'		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	530	End	4318
GI	none	Score	216
Exons	530..694, 597..755, 598..756, 598..756, 994..1077, 995..1078, 995..1084, 1344..1415, 1345..1410, 1359..1415, 1548..1643, 1549..1653, 1556..1645, 1738..1818, 1749..1889, 1751..1855, 2055..2198, 2069..2227, 2070..2201, 2286..2375, 2289..2372, 2291..2377, 2553..2663, 2571..2627, 2572..2664, 2575..2664, 2576..2665, 2816..2902, 2820..2903, 2821..2904, 3082..3165, 3084..3155, 3236..3325, 3243..3326, 3249..3326, 3250..3330, 3480..3632, 3481..3552, 3486..3632, 3487..3633, 3583..3657, 4151..4249, 4247..4318		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	1033	End	1880
GI	none	Score	82
Exons	1033..1077, 1339..1410, 1340..1411, 1344..1415, 1345..1413, 1543..1659, 1562..1645, 1747..1815, 1749..1880, 1751..1855		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	1339	End	3663
GI	none	Score	85
Exons	1339..1416, 1341..1415, 1540..1659, 1556..1645, 1746..1889, 1751..1855, 2069..2203, 2070..2201, 2086..2211, 2087..2239, 2280..2387, 2286..2420, 2553..2663, 2572..2664, 2575..2664, 2820..2903, 2824..2907, 3087..3155, 3088..3156, 3236..3325, 3243..3326, 3480..3602, 3480..3638, 3481..3606, 3499..3663		

Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	2069	End	2664
GI	none	Score	144

Exons	2069..2203, 2070..2201, 2286..2396, 2289..2351, 2590..2664, 2622..2663		
Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o2.tc	Method	TBLASTX:Cress
Start	3480	End	3632
GI	none	Score	68
Exons	3480..3605, 3480..3632, 3481..3606		
Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o3.gp	Method	AAT/GAP
Start	4869	End	5280
GI	none	Score	751
Exons	4869..5280		
Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o2.gs	Method	GENSCAN
Start	5289	End	5507
GI	none	Score	.49
Exons	5289..5507		
Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o2.np	Method	AAT/NAP
Start	5358	End	5507
GI	6681341	Score	144
Exons	5358..5507		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		
Seq. No.	7901	Seq. ID	OJ990601_07.9B12.C14
Gene No.	16663	Strand	-
Start	5289	End	5507
Name	OJ990601_07.9B12.C14.o2.tm	Method	TBLASTX:Maize
Start	5370	End	5507
GI	none	Score	120
Exons	5370..5507, 5389..5505, 5436..5507		
Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16664	Strand	+
Start	1	End	296
Name	OJ990601_07.9B12.C15.o1.gp	Method	AAT/GAP
Start	1	End	296
GI	12826_1.R1084	Score	566
Exons	1..296		
GI Descrip.	'3043612/dbj|BAA25470| 1.0e-17 (AB011116) KIAA0544 protein [Homo sapiens]'		
Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15

Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	946
GI	6681341	Score	204
Exons	1..290, 913..946		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	317
GI	none	Score	159
Exons	1..204, 2..295, 2..307, 6..317		

Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	2	End	218
GI	none	Score	250
Exons	2..217, 3..218, 3..218		

Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.gs	Method	GENSCAN
Start	54	End	292
GI	none	Score	.83
Exons	54..292		

Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	71	End	308
GI	none	Score	155
Exons	71..280, 71..295, 78..308, 81..302		

Seq. No.	7902	Seq. ID	OJ990601_07.9B12.C15
Gene No.	16665	Strand	-
Start	1	End	946
Name	OJ990601_07.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	119	End	308
GI	none	Score	145
Exons	119..292, 123..308		

Seq. No.	7903	Seq. ID	OJ990601_07.9B12.C17
Gene No.	16666	Strand	+
Start	1	End	622
Name	OJ990601_07.9B12.C17.o1.np	Method	AAT/NAP
Start	1	End	622
GI	1168654	Score	269
Exons	1..201, 488..622		

GI Descrip.	BETA-GALACTOSIDASE PRECURSOR (LACTASE) gi|542198|pir||S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus gi|452712|emb|CAA54525| (X77319) beta-galactosidase [Asparagus officinalis]		
Seq. No.	7903	Seq. ID	OJ990601_07.9B12.C17
Gene No.	16666	Strand	+
Start	1	End	622
Name	OJ990601_07.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	113	End	564
GI	none	Score	164
Exons	113..169, 114..203, 129..212, 486..551, 487..564		
Seq. No.	7903	Seq. ID	OJ990601_07.9B12.C17
Gene No.	16666	Strand	+
Start	1	End	622
Name	OJ990601_07.9B12.C17.o1.gs	Method	GENSCAN
Start	114	End	201
GI	none	Score	.78
Exons	114..201		
Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6730738	Score	538
Exons	1..169, 257..352, 441..536, 676..817		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	37	End	757
GI	none	Score	164
Exons	37..147, 39..170, 41..175, 42..203, 49..171, 249..353, 257..355, 257..352, 438..536, 439..537, 440..538, 655..750, 661..756, 677..757		
Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.tc	Method	TBLASTX:Cress
Start	39	End	537
GI	none	Score	151
Exons	39..170, 40..147, 41..175, 41..175, 257..352, 258..353, 431..526, 438..527, 438..530, 439..537		
Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	39	End	757
GI	none	Score	189
Exons	39..170, 41..175, 41..175, 249..353, 257..355, 257..352, 259..354, 438..536, 439..537, 440..538, 440..538, 654..749,		

654..749, 655..750, 661..756, 662..757

Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.gs	Method	GENSCAN
Start	42	End	749
GI	none	Score	.77
Exons	42..169, 441..536, 676..749		

Seq. No.	7904	Seq. ID	OJ990601_07.9B12.C18
Gene No.	16667	Strand	-
Start	1	End	817
Name	OJ990601_07.9B12.C18.o1.gp	Method	AAT/GAP
Start	45	End	789
GI	uC-osroM202030h03b1	Score	706
Exons	45..169, 257..352, 441..536, 676..789		
GI Descrip.	'5732035/gb|AAD48936.1|AF160760_4 9.0e-58 (AF160760) contains similarity to Pfam family PF0040 - WD domain, G-beta repeat; score=10.8, E=3.2, N-2 [Arabidopsis thaliana]'		

Seq. No.	7905	Seq. ID	OJ990601_07.9B12.C20
Gene No.	16668	Strand	+
Start	424	End	560
Name	OJ990601_07.9B12.C20.o1.gs	Method	GENSCAN
Start	424	End	560
GI	none	Score	.66
Exons	424..472, 499..560		

Seq. No.	7906	Seq. ID	OJ990601_07.9B12.C22
Gene No.	16669	Strand	+
Start	339	End	2708
Name	OJ990601_07.9B12.C22.o1.np	Method	AAT/NAP
Start	339	End	2707
GI	5042454	Score	2773
Exons	339..483, 830..941, 998..2707		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7906	Seq. ID	OJ990601_07.9B12.C22
Gene No.	16669	Strand	+
Start	339	End	2708
Name	OJ990601_07.9B12.C22.o1.gs	Method	GENSCAN
Start	397	End	2568
GI	none	Score	.41
Exons	397..483, 734..804, 884..941, 998..1864, 1931..2192, 2345..2568		

Seq. No.	7906	Seq. ID	OJ990601_07.9B12.C22
Gene No.	16669	Strand	+
Start	339	End	2708
Name	OJ990601_07.9B12.C22.o1.tw	Method	TBLASTX:Wheat
Start	1510	End	2062
GI	none	Score	34
Exons	1510..1545, 1670..1717, 1724..1822, 1729..1821, 1789..2028, 1805..2062		

Seq. No.	7906	Seq. ID	OJ990601_07.9B12.C22
Gene No.	16669	Strand	+

Start	339	End	2708
Name	OJ990601_07.9B12.C22.o1.tm	Method	TBLASTX:Maize
Start	1675	End	1960
GI	none	Score	193
Exons	1675..1959, 1712..1960		

Seq. No.	7906	Seq. ID	OJ990601_07.9B12.C22
Gene No.	16669	Strand	+
Start	339	End	2708
Name	OJ990601_07.9B12.C22.o2.tm	Method	TBLASTX:Maize
Start	2565	End	2708
GI	none	Score	184
Exons	2565..2708, 2570..2704		

Seq. No.	7907	Seq. ID	OJ990601_07.9B12.C23
Gene No.	16670	Strand	+
Start	1	End	930
Name	OJ990601_07.9B12.C23.o1.np	Method	AAT/NAP
Start	1	End	643
GI	5042454	Score	206
Exons	1..30, 168..339, 590..643		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7907	Seq. ID	OJ990601_07.9B12.C23
Gene No.	16670	Strand	+
Start	1	End	930
Name	OJ990601_07.9B12.C23.o1.gs	Method	GENSCAN
Start	253	End	930
GI	none	Score	.87
Exons	253..339, 590..760, 853..930		

Seq. No.	7908	Seq. ID	OJ990601_07.9B12.C24
Gene No.	16671	Strand	-
Start	429	End	1281
Name	OJ990601_07.9B12.C24.o1.gs	Method	GENSCAN
Start	429	End	1281
GI	none	Score	.61
Exons	429..482, 644..726, 1149..1281		

Seq. No.	7909	Seq. ID	OJ990601_07.9B12.C25
Gene No.	16672	Strand	+
Start	1378	End	1781
Name	OJ990601_07.9B12.C25.o1.gp	Method	AAT/GAP
Start	1378	End	1781
GI	2310664	Score	702
Exons	1378..1781		

Seq. No.	7909	Seq. ID	OJ990601_07.9B12.C25
Gene No.	16673	Strand	-
Start	470	End	1035
Name	OJ990601_07.9B12.C25.o1.gs	Method	GENSCAN
Start	470	End	1035
GI	none	Score	.49
Exons	470..655, 830..943, 1018..1035		

Seq. No.	7910	Seq. ID	OJ990601_07.9B12.C26
Gene No.	16674	Strand	+

Start	1	End	1652
Name	OJ990601_07.9B12.C26.o1.np	Method	AAT/NAP
Start	1	End	1652
GI	3402683	Score	425
Exons	1..268, 354..634, 1628..1652		
GI Descrip.	(AC004697) similar to latex allergen from Hevea brasiliensis [Arabidopsis thaliana]		

Seq. No.	7910	Seq. ID	OJ990601_07.9B12.C26
Gene No.	16674	Strand	+
Start	1	End	1652
Name	OJ990601_07.9B12.C26.o1.gs	Method	GENSCAN
Start	59	End	650
GI	none	Score	.94
Exons	59..268, 354..650		

Seq. No.	7910	Seq. ID	OJ990601_07.9B12.C26
Gene No.	16675	Strand	-
Start	1700	End	2597
Name	OJ990601_07.9B12.C26.o1.ts	Method	TBLASTX:Soybean
Start	44	End	601
GI	none	Score	50
Exons	44..82, 143..274, 227..268, 350..601, 351..596		

Seq. No.	7910	Seq. ID	OJ990601_07.9B12.C26
Gene No.	16675	Strand	-
Start	1700	End	2597
Name	OJ990601_07.9B12.C26.o1.tw	Method	TBLASTX:Wheat
Start	143	End	528
GI	none	Score	202
Exons	143..283, 145..267, 298..396, 317..397, 341..526, 351..527, 484..528		

Seq. No.	7910	Seq. ID	OJ990601_07.9B12.C26
Gene No.	16675	Strand	-
Start	1700	End	2597
Name	OJ990601_07.9B12.C26.o2.gs	Method	GENSCAN
Start	1700	End	2597
GI	none	Score	.88
Exons	1700..1981, 2310..2411, 2488..2597		

Seq. No.	7911	Seq. ID	OJ990601_07.9B12.C30
Gene No.	16676	Strand	-
Start	62	End	126
Name	OJ990601_07.9B12.C30.o1.gs	Method	GENSCAN
Start	62	End	126
GI	none	Score	.85
Exons	62..126		

Seq. No.	7912	Seq. ID	OJ990601_07.9B12.C34
Gene No.	16677	Strand	+
Start	381	End	650
Name	OJ990601_07.9B12.C34.o1.gs	Method	GENSCAN
Start	381	End	650
GI	none	Score	.46
Exons	381..537, 559..650		

Seq. No.	7912	Seq. ID	OJ990601_07.9B12.C34
Gene No.	16678	Strand	-
Start	39	End	204
Name	OJ990601_07.9B12.C34.o1.gp	Method	AAT/GAP
Start	39	End	204
GI	none	Score	272
Exons	39..204		

Seq. No.	7913	Seq. ID	OJ990601_07.9B12.C35
Gene No.	16679	Strand	-
Start	287	End	676
Name	OJ990601_07.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	12	End	456
GI	none	Score	402
Exons	12..443, 12..455, 13..456		

Seq. No.	7913	Seq. ID	OJ990601_07.9B12.C35
Gene No.	16679	Strand	-
Start	287	End	676
Name	OJ990601_07.9B12.C35.o1.gp	Method	AAT/GAP
Start	287	End	676
GI	none	Score	580
Exons	287..676		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16680	Strand	+
Start	426	End	907
Name	OJ990601_07.9B12.C36.o1.gp	Method	AAT/GAP
Start	426	End	907
GI	12826_1.R1084	Score	931
Exons	426..907		
GI Descrip.	'3043612/dbj|BAA25470| 1.0e-17 (AB011116) KIAA0544 protein [Homo sapiens]'		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.np	Method	AAT/NAP
Start	4	End	1709
GI	6681341	Score	610
Exons	4..156, 403..915, 1676..1709		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.gs	Method	GENSCAN
Start	10	End	903
GI	none	Score	.88
Exons	10..156, 403..903		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.tm	Method	TBLASTX:Maize

Start	16	End	840
GI	none	Score	129
Exons	16..156, 35..157, 90..173, 403..840, 404..838		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.ts	Method	TBLASTX:Soybean
Start	43	End	904
GI	none	Score	91
Exons	43..156, 86..166, 403..600, 413..598, 592..672, 681..752, 682..891, 682..903, 689..904		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.tc	Method	TBLASTX:Cress
Start	58	End	723
GI	none	Score	91
Exons	58..156, 86..166, 403..444, 403..465, 404..448, 445..483, 446..499, 460..660, 461..598, 481..609, 688..723		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o1.tw	Method	TBLASTX:Wheat
Start	462	End	829
GI	none	Score	338
Exons	462..815, 462..785, 463..828, 464..829		

Seq. No.	7914	Seq. ID	OJ990601_07.9B12.C36
Gene No.	16681	Strand	-
Start	4	End	1709
Name	OJ990601_07.9B12.C36.o2.tc	Method	TBLASTX:Cress
Start	730	End	919
GI	none	Score	145
Exons	730..903, 734..919		

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.np	Method	AAT/NAP
Start	1	End	1809
GI	6681341	Score	328
Exons	1..41, 1213..1478, 1509..1809		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.gp	Method	AAT/GAP
Start	1223	End	1366
GI	12826_1.R1084	Score	233
Exons	1223..1366		
GI Descrip.	'3043612/dbj|BAA25470| 1.0e-17 (AB011116) KIAA0544 protein [Homo		

sapiens]'

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.tm	Method	TBLASTX:Maize
Start	1223	End	1423
GI	none	Score	226
Exons	1223..1405, 1243..1389, 1289..1423		

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.ts	Method	TBLASTX:Soybean
Start	1223	End	1525
GI	none	Score	182
Exons	1223..1396, 1243..1395, 1511..1525		

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.tc	Method	TBLASTX:Cress
Start	1223	End	1434
GI	none	Score	178
Exons	1223..1387, 1240..1434		

Seq. No.	7915	Seq. ID	OJ990601_07.9B12.C37
Gene No.	16682	Strand	-
Start	1	End	1809
Name	OJ990601_07.9B12.C37.o1.tw	Method	TBLASTX:Wheat
Start	1299	End	1603
GI	none	Score	78
Exons	1299..1376, 1300..1413, 1301..1411, 1304..1426, 1429..1518, 1430..1477, 1507..1521, 1565..1603		

Seq. No.	7916	Seq. ID	OJ990601_07.9B12.C38
Gene No.	16683	Strand	-
Start	1	End	59
Name	OJ990601_07.9B12.C38.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	3760056	Score	114
Exons	1..59		

Seq. No.	7917	Seq. ID	OJ990601_07.9B12.C39
Gene No.	16684	Strand	-
Start	255	End	1206
Name	OJ990601_07.9B12.C39.o1.np	Method	AAT/NAP
Start	255	End	1206
GI	6498436	Score	211
Exons	255..372, 866..1206		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o1.tm	Method	TBLASTX:Maize
Start	40	End	341

GI	none	Score	403
Exons	40..144, 50..340, 51..341, 51..341		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o1.gs	Method	GENSCAN
Start	75	End	1191
GI	none	Score	.52
Exons	75..1191		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o1.ts	Method	TBLASTX:Soybean
Start	327	End	1016
GI	none	Score	84
Exons	327..398, 420..677, 423..674, 735..884, 785..889, 915..1016		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o2.tm	Method	TBLASTX:Maize
Start	420	End	1004
GI	none	Score	382
Exons	420..1004, 422..964		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o2.tw	Method	TBLASTX:Wheat
Start	504	End	902
GI	none	Score	139
Exons	504..701, 690..902		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o1.tw	Method	TBLASTX:Wheat
Start	915	End	1295
GI	none	Score	328
Exons	915..1295, 917..1294		

Seq. No.	7918	Seq. ID	OJ990601_07.9B12.C40
Gene No.	16685	Strand	+
Start	75	End	1295
Name	OJ990601_07.9B12.C40.o3.tm	Method	TBLASTX:Maize
Start	1010	End	1295
GI	none	Score	238
Exons	1010..1168, 1062..1295, 1162..1266		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16686	Strand	+
Start	124	End	760
Name	OJ990601_07.9B12.C41.o1.gp	Method	AAT/GAP
Start	124	End	760
GI	17747_1.R1084	Score	1208

Exons	124..760		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16687	Strand	+
Start	2056	End	2262
Name	OJ990601_07.9B12.C41.o3.gp	Method	AAT/GAP
Start	2056	End	2262
GI	uC-osflcyp102g09a1	Score	345
Exons	2056..2262		
GI Descrip.	'4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]'		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16688	Strand	+
Start	8883	End	10912
Name	OJ990601_07.9B12.C41.o2.np	Method	AAT/NAP
Start	8883	End	10912
GI	2492952	Score	79
Exons	8883..8907, 10813..10912		
GI Descrip.	CHORISMATE SYNTHASE 1 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 1) gi|542026|pir||S40410 chorismate synthase (EC 4.6.1.4) 1 precursor - tomato gi|410482|emb|CAA79859| (Z21796) chorismate synthase 1 [Lycopersicon esculentum]		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16689	Strand	-
Start	846	End	969
Name	OJ990601_07.9B12.C41.o2.gp	Method	AAT/GAP
Start	846	End	969
GI	none	Score	207
Exons	846..969		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o3.tm	Method	TBLASTX:Maize
Start	39	End	638
GI	none	Score	230
Exons	39..254, 39..257, 43..258, 64..258, 333..422, 405..470, 429..518, 456..563, 501..563, 504..611, 549..638		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.gs	Method	GENSCAN
Start	1671	End	10381
GI	none	Score	.87
Exons	1671..1718, 2546..2707, 3568..3675, 3825..3932, 4033..4142, 4271..4377, 4498..4715, 4823..4990, 5182..5300, 5587..5674, 5804..5998, 6117..6420, 6512..6629, 7183..7282, 7432..7847, 8132..8287, 10336..10381		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-

Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.tm	Method	TBLASTX:Maize
Start	2098	End	5681
GI	none	Score	34
Exons	2098..2193, 2213..2278, 2250..2276, 2350..2457, 2351..2470, 2352..2468, 2545..2712, 2546..2719, 2547..2693, 2707..2880, 2711..2881, 2717..2881, 2718..2882, 3147..3338, 3177..3392, 3178..3393, 3179..3406, 3538..3678, 3563..3679, 3568..3678, 3822..3932, 3824..3934, 3825..3932, 3829..3933, 4032..4145, 4033..4143, 4034..4150, 4034..4150, 4257..4379, 4269..4379, 4288..4380, 4473..4733, 4479..4634, 4489..4716, 4820..4963, 4823..4957, 4827..4964, 4837..4965, 5178..5294, 5180..5293, 5182..5295, 5182..5298, 5183..5296, 5585..5674, 5588..5674, 5619..5681		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.tw	Method	TBLASTX:Wheat
Start	2351	End	2770
GI	none	Score	163
Exons	2351..2470, 2352..2468, 2546..2719, 2547..2693, 2575..2712, 2711..2770, 2718..2768		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o2.ts	Method	TBLASTX:Soybean
Start	2360	End	4605
GI	none	Score	87
Exons	2360..2470, 2373..2468, 2546..2671, 2546..2881, 2553..2882, 3177..3392, 3177..3338, 3179..3406, 3562..3636, 3634..3678, 3822..3857, 3870..3935, 3871..3936, 4036..4095, 4037..4144, 4245..4343, 4498..4605, 4503..4601		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.np	Method	AAT/NAP
Start	2363	End	7596
GI	4510395	Score	2565
Exons	2363..2467, 2546..2882, 3180..3391, 3568..3675, 3825..3932, 4033..4120, 4258..4370, 4491..4678, 4819..4990, 5182..5300, 5587..5674, 5804..5998, 6117..6420, 6512..6636, 7199..7282, 7432..7596		
GI Descrip.	(AC006587) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o2.tc	Method	TBLASTX:Cress
Start	2363	End	3394
GI	none	Score	90
Exons	2363..2431, 2414..2464, 2549..2659, 2580..2666, 2741..2881, 2742..2882, 3177..3263, 3185..3265, 3271..3366, 3287..3394, 3297..3380		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o4.gp	Method	AAT/GAP
Start	2410	End	2730
GI	2797583	Score	458
Exons	2410..2467, 2546..2730		
GI Descrip.	4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.tc	Method	TBLASTX:Cress
Start	4488	End	7524
GI	none	Score	69
Exons	4488..4580, 4489..4605, 4814..4957, 4815..4889, 4826..4951, 5182..5301, 5195..5302, 5585..5674, 5619..5675, 5804..5998, 5826..5999, 6106..6420, 6111..6419, 6511..6627, 6512..6625, 7187..7285, 7429..7524		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o3.ts	Method	TBLASTX:Soybean
Start	4820	End	4964
GI	none	Score	142
Exons	4820..4963, 4824..4964		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o1.ts	Method	TBLASTX:Soybean
Start	5179	End	7524
GI	none	Score	100
Exons	5179..5301, 5180..5302, 5585..5674, 5619..5675, 5804..5998, 5805..5999, 6114..6419, 6118..6420, 6511..6627, 6512..6628, 7187..7285, 7188..7283, 7429..7524, 7436..7522		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o2.tm	Method	TBLASTX:Maize
Start	5804	End	7522
GI	none	Score	183
Exons	5804..5998, 5805..5999, 6111..6419, 6112..6420, 6511..6627, 6517..6627, 7187..7285, 7188..7283, 7202..7288, 7414..7521, 7433..7522		

Seq. No.	7919	Seq. ID	OJ990601_07.9B12.C41
Gene No.	16690	Strand	-
Start	1671	End	10381
Name	OJ990601_07.9B12.C41.o5.gp	Method	AAT/GAP
Start	6123	End	6631
GI	LIB3477-004-P1-K1-A11	Score	793
Exons	6123..6420, 6512..6631		
GI Descrip.	'4510395/gb|AAD21482.1| 1.0e-65 (AC006587) putative		

beta-galactosidase precursor [Arabidopsis thaliana]'

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16691	Strand	+
Start	467	End	812
Name	OJ990601_07.9B12.C42.o1.gs	Method	GENSCAN
Start	467	End	812
GI	none	Score	.76
Exons	467..812		

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16692	Strand	+
Start	1810	End	2087
Name	OJ990601_07.9B12.C42.o2.gs	Method	GENSCAN
Start	1810	End	2087
GI	none	Score	.68
Exons	1810..1883, 1904..2087		

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16693	Strand	+
Start	2377	End	2807
Name	OJ990601_07.9B12.C42.o1.gp	Method	AAT/GAP
Start	2377	End	2807
GI	2355_1.R1084	Score	800
Exons	2377..2807		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16694	Strand	-
Start	2666	End	2866
Name	OJ990601_07.9B12.C42.o1.tm	Method	TBLASTX:Maize
Start	2644	End	2807
GI	none	Score	162
Exons	2644..2805, 2644..2769, 2649..2807, 2649..2801, 2657..2806		

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16694	Strand	-
Start	2666	End	2866
Name	OJ990601_07.9B12.C42.o1.tw	Method	TBLASTX:Wheat
Start	2656	End	2806
GI	none	Score	232
Exons	2656..2769, 2666..2806, 2669..2806		

Seq. No.	7920	Seq. ID	OJ990601_07.9B12.C42
Gene No.	16694	Strand	-
Start	2666	End	2866
Name	OJ990601_07.9B12.C42.o1.np	Method	AAT/NAP
Start	2666	End	2866
GI	6562266	Score	135
Exons	2666..2866		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16695	Strand	+
Start	115	End	354
Name	OJ990601_07.9B12.C43.o1.gs	Method	GENSCAN

Start	115	End	354
GI	none	Score	.81
Exons	115..237, 283..354		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16696	Strand	+
Start	1086	End	1205
Name	OJ990601_07.9B12.C43.o1.gp	Method	AAT/GAP
Start	1086	End	1205
GI	2355_1.R1084	Score	197
Exons	1086..1205		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16697	Strand	+
Start	3607	End	5166
Name	OJ990601_07.9B12.C43.o3.gp	Method	AAT/GAP
Start	3607	End	5166
GI	none	Score	817
Exons	3607..3912, 5026..5166		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16698	Strand	+
Start	5165	End	6633
Name	OJ990601_07.9B12.C43.o3.np	Method	AAT/NAP
Start	5123	End	6633
GI	6041845	Score	265
Exons	5123..5183, 5676..6070, 6613..6633		
GI Descrip.	(AC009853) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16698	Strand	+
Start	5165	End	6633
Name	OJ990601_07.9B12.C43.o3.gs	Method	GENSCAN
Start	5165	End	6586
GI	none	Score	.85
Exons	5165..6586		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16698	Strand	+
Start	5165	End	6633
Name	OJ990601_07.9B12.C43.o2.np	Method	AAT/NAP
Start	5731	End	6633
GI	4467124	Score	246
Exons	5731..6076, 6586..6633		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o1.np	Method	AAT/NAP
Start	1	End	2127
GI	6562266	Score	495
Exons	1..28, 1065..1551, 1989..2127		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o2.gs	Method	GENSCAN
Start	1031	End	4843
GI	none	Score	.53
Exons	1031..1057, 1176..1543, 2178..2294, 2777..3068, 3659..3865, 4829..4843		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1395
GI	none	Score	431
Exons	1083..1394, 1090..1395, 1099..1395		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o1.tw	Method	TBLASTX:Wheat
Start	1088	End	1338
GI	none	Score	111
Exons	1088..1183, 1095..1328, 1098..1337, 1099..1338		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o1.ts	Method	TBLASTX:Soybean
Start	1098	End	1545
GI	none	Score	113
Exons	1098..1283, 1099..1284, 1263..1544, 1275..1541, 1282..1545		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o2.gp	Method	AAT/GAP
Start	1338	End	2970
GI	9214_2.R1084	Score	1180
Exons	1338..1543, 1981..2081, 2178..2372, 2820..2970		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 2.0e-12 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16699	Strand	-
Start	1	End	4843
Name	OJ990601_07.9B12.C43.o3.tm	Method	TBLASTX:Maize
Start	1396	End	2060
GI	none	Score	192
Exons	1396..1551, 1398..1541, 1982..2059, 1983..2060		

Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16700	Strand	
Start	5279	End	6070
Name	OJ990601_07.9B12.C43.o1.tc	Method	TBLASTX:Cress
Start	5279	End	6070
GI	none	Score	88

Exons	5279..5407, 5534..5641, 5555..5650, 5735..5896, 5942..6070, 5953..6069		
Seq. No.	7921	Seq. ID	OJ990601_07.9B12.C43
Gene No.	16701	Strand	
Start	6139	End	6359
Name	OJ990601_07.9B12.C43.o2.tm	Method	TBLASTX:Maize
Start	6139	End	6359
GI	none	Score	279
Exons	6139..6354, 6140..6352, 6294..6359		
Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16702	Strand	+
Start	231	End	1694
Name	OJ990601_07.9B12.C44.o1.gs	Method	GENSCAN
Start	231	End	1694
GI	none	Score	.61
Exons	231..397, 1180..1694		
Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o2.tm	Method	TBLASTX:Maize
Start	1274	End	1672
GI	none	Score	229
Exons	1274..1513, 1278..1487, 1294..1545, 1313..1546, 1551..1613, 1619..1672		
Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o1.gp	Method	AAT/GAP
Start	3143	End	4279
GI	5594_1.R1084	Score	1521
Exons	3143..3576, 3680..3848, 3933..4102, 4214..4279		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o1.tm	Method	TBLASTX:Maize
Start	3314	End	4846
GI	none	Score	181
Exons	3314..3331, 3423..3575, 3429..3485, 3430..3576, 3433..3576, 3503..3577, 3662..3850, 3666..3881, 3732..3851, 3929..4102, 3930..4103, 3930..4106, 4211..4405, 4212..4394, 4214..4405, 4491..4553, 4491..4556, 4492..4557, 4493..4558, 4649..4846, 4650..4823		
Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o1.tc	Method	TBLASTX:Cress
Start	3433	End	4777
GI	none	Score	136
Exons	3433..3576, 3437..3571, 3674..3847, 3684..3845, 3929..3976,		

3933..3977, 3944..4102, 3990..4103, 4011..4106, 4211..4321, 4212..4319, 4317..4394, 4322..4402, 4322..4393, 4492..4557, 4493..4558, 4495..4566, 4649..4777, 4650..4748, 4655..4777

Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o2.gs	Method	GENSCAN
Start	3433	End	4821
GI	none	Score	.8
Exons	3433..3576, 3680..3848, 3949..4102, 4214..4390, 4491..4556, 4648..4821		

Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o1.ts	Method	TBLASTX:Soybean
Start	3433	End	4846
GI	none	Score	112
Exons	3433..3576, 3434..3553, 3674..3847, 3681..3881, 3929..4102, 3933..4103, 4211..4393, 4212..4394, 4491..4547, 4492..4557, 4493..4558, 4649..4846, 4650..4745, 4652..4777, 4797..4823		

Seq. No.	7922	Seq. ID	OJ990601_07.9B12.C44
Gene No.	16703	Strand	-
Start	3143	End	4846
Name	OJ990601_07.9B12.C44.o1.np	Method	AAT/NAP
Start	3436	End	4822
GI	1346771	Score	1305
Exons	3436..3576, 3680..3848, 3933..4102, 4214..4392, 4491..4556, 4648..4822		
GI Descrip.	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] gi|1086117|pir||S52988 phosphoenolpyruvate carboxykinase (PCK1) - Urochloa panicoides gi|607752 (U09241) phosphoenolpyruvate carboxykinase [Urochloa panicoides]		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16704	Strand	-
Start	1	End	3405
Name	OJ990601_07.9B12.C45.o1.np	Method	AAT/NAP
Start	1	End	3405
GI	4490732	Score	1221
Exons	1..77, 290..610, 855..955, 1047..1131, 1246..1399, 1500..1705, 3122..3405		
GI Descrip.	(AL035709) phosphoenolpyruvate carboxykinase (ATP)-like protein [Arabidopsis thaliana]		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16704	Strand	-
Start	1	End	3405
Name	OJ990601_07.9B12.C45.o1.gs	Method	GENSCAN
Start	312	End	3366
GI	none	Score	.69
Exons	312..610, 855..955, 1047..1131, 1246..1399, 1500..1705, 3122..3366		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45

Gene No.	16704	Strand	-
Start	1	End	3405
Name	OJ990601_07.9B12.C45.o1.gp	Method	AAT/GAP
Start	423	End	1393
GI	uC-osroM202032e08b1	Score	932
Exons	423..610, 855..955, 1047..1131, 1246..1393		
GI Descrip.	'4490732/emb|CAB38935.1| 2.0e-87 (AL035709) phosphoenolpyruvate carboxykinase (ATP)-like protein [Arabidopsis thaliana]'		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o1.ts	Method	TBLASTX:Soybean
Start	292	End	1314
GI	none	Score	377
Exons	292..612, 308..613, 845..955, 846..956, 846..977, 887..1030, 1029..1097, 1069..1146, 1071..1133, 1084..1143, 1245..1313, 1249..1314		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o1.tc	Method	TBLASTX:Cress
Start	308	End	3310
GI	none	Score	346
Exons	308..613, 310..609, 795..959, 839..955, 852..977, 1029..1133, 1045..1131, 1245..1430, 1249..1404, 1501..1557, 1502..1558, 1639..1707, 1640..1708, 3169..3309, 3197..3310		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o1.tm	Method	TBLASTX:Maize
Start	308	End	1133
GI	none	Score	403
Exons	308..613, 310..609, 837..959, 839..955, 843..956, 1029..1133, 1043..1132		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o3.ts	Method	TBLASTX:Soybean
Start	1323	End	1708
GI	none	Score	117
Exons	1323..1430, 1324..1404, 1501..1560, 1502..1561, 1633..1707, 1634..1708		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o2.tm	Method	TBLASTX:Maize
Start	1610	End	3360
GI	none	Score	50
Exons	1610..1657, 1645..1707, 1646..1720, 3122..3304, 3166..3309, 3319..3360, 3320..3358		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45

Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o2.ts	Method	TBLASTX:Soybean
Start	3166	End	3360
GI	none	Score	67
Exons	3166..3225, 3176..3223, 3178..3312, 3200..3313, 3316..3360, 3317..3358		

Seq. No.	7923	Seq. ID	OJ990601_07.9B12.C45
Gene No.	16705	Strand	-
Start	4523	End	4627
Name	OJ990601_07.9B12.C45.o2.gs	Method	GENSCAN
Start	4523	End	4627
GI	none	Score	.66
Exons	4523..4627		

Seq. No.	7924	Seq. ID	OJ990601_07.9B12.C47
Gene No.	16706	Strand	+
Start	1	End	378
Name	OJ990601_07.9B12.C47.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	4529_1.R1084	Score	630
Exons	1..378		
GI Descrip.	'3775993/emb|CAA09199| 2.0e-26 (AJ010460) RNA helicase [Arabidopsis thaliana]'		

Seq. No.	7924	Seq. ID	OJ990601_07.9B12.C47
Gene No.	16707	Strand	-
Start	179	End	610
Name	OJ990601_07.9B12.C47.o1.gs	Method	GENSCAN
Start	179	End	553
GI	none	Score	.95
Exons	179..370, 472..553		

Seq. No.	7924	Seq. ID	OJ990601_07.9B12.C47
Gene No.	16707	Strand	-
Start	179	End	610
Name	OJ990601_07.9B12.C47.o1.np	Method	AAT/NAP
Start	179	End	610
GI	1881585	Score	217
Exons	179..370, 472..610		
GI Descrip.	(U72489) remorin [Solanum tuberosum]		

Seq. No.	7925	Seq. ID	OJ990601_07.9B12.C49
Gene No.	16708	Strand	-
Start	1	End	84
Name	OJ990601_07.9B12.C49.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	uC-osflcyp102g09a1	Score	100
Exons	1..84		
GI Descrip.	'4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]'		

Seq. No.	7926	Seq. ID	OJ990601_07.9B12.C52
Gene No.	16709	Strand	+
Start	496	End	740
Name	OJ990601_07.9B12.C52.o1.gp	Method	AAT/GAP

Start	496	End	740
GI	2355_1.R1084	Score	149
Exons	496..547, 654..740		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	7927	Seq. ID	OJ990601_07.9B12.C54
Gene No.	16710	Strand	+
Start	1	End	463
Name	OJ990601_07.9B12.C54.o1.gp	Method	AAT/GAP
Start	1	End	463
GI	2428323	Score	642
Exons	1..463		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	7927	Seq. ID	OJ990601_07.9B12.C54
Gene No.	16711	Strand	+
Start	497	End	1521
Name	OJ990601_07.9B12.C54.o1.gs	Method	GENSCAN
Start	497	End	1336
GI	none	Score	.4
Exons	497..1336		

Seq. No.	7927	Seq. ID	OJ990601_07.9B12.C54
Gene No.	16711	Strand	+
Start	497	End	1521
Name	OJ990601_07.9B12.C54.o1.np	Method	AAT/NAP
Start	572	End	1521
GI	6498441	Score	685
Exons	572..1037, 1396..1521		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7927	Seq. ID	OJ990601_07.9B12.C54
Gene No.	16711	Strand	+
Start	497	End	1521
Name	OJ990601_07.9B12.C54.o1.tw	Method	TBLASTX:Wheat
Start	776	End	1072
GI	none	Score	273
Exons	776..1072, 793..1068, 836..1069		

Seq. No.	7928	Seq. ID	OJ990601_07.9B12.C56
Gene No.	16712	Strand	-
Start	36	End	181
Name	OJ990601_07.9B12.C56.o1.gs	Method	GENSCAN
Start	36	End	181
GI	none	Score	.62
Exons	36..181		

Seq. No.	7929	Seq. ID	OJ990601_07.9B12.C57
Gene No.	16713	Strand	+
Start	146	End	267
Name	OJ990601_07.9B12.C57.o1.gs	Method	GENSCAN
Start	146	End	267
GI	none	Score	.57

Exons	146..267		
Seq. No.	7930	Seq. ID	OJ990601_07.9B12.C58
Gene No.	16714	Strand	-
Start	45	End	641
Name	OJ990601_07.9B12.C58.o1.gp	Method	AAT/GAP
Start	45	End	641
GI	none	Score	424
Exons	45..81, 412..641		
Seq. No.	7930	Seq. ID	OJ990601_07.9B12.C58
Gene No.	16714	Strand	-
Start	45	End	641
Name	OJ990601_07.9B12.C58.o1.tm	Method	TBLASTX:Maize
Start	466	End	641
GI	none	Score	56
Exons	466..513, 473..556, 476..514, 491..640, 510..641		
Seq. No.	7930	Seq. ID	OJ990601_07.9B12.C58
Gene No.	16714	Strand	-
Start	45	End	641
Name	OJ990601_07.9B12.C58.o1.np	Method	AAT/NAP
Start	476	End	641
GI	6730738	Score	169
Exons	476..641		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	7931	Seq. ID	OJ990601_07.9B12.C60
Gene No.	16715	Strand	+
Start	1	End	470
Name	OJ990601_07.9B12.C60.o1.np	Method	AAT/NAP
Start	1	End	470
GI	6730738	Score	230
Exons	1..139, 246..470		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	7931	Seq. ID	OJ990601_07.9B12.C60
Gene No.	16715	Strand	+
Start	1	End	470
Name	OJ990601_07.9B12.C60.o1.tc	Method	TBLASTX:Cress
Start	2	End	329
GI	none	Score	124
Exons	2..109, 3..110, 211..303, 243..329, 246..329		
Seq. No.	7931	Seq. ID	OJ990601_07.9B12.C60
Gene No.	16715	Strand	+
Start	1	End	470
Name	OJ990601_07.9B12.C60.o1.tm	Method	TBLASTX:Maize
Start	2	End	410
GI	none	Score	151
Exons	2..109, 3..110, 4..111, 111..140, 112..147, 246..410, 247..369, 248..409		
Seq. No.	7931	Seq. ID	OJ990601_07.9B12.C60
Gene No.	16715	Strand	+
Start	1	End	470
Name	OJ990601_07.9B12.C60.o1.ts	Method	TBLASTX:Soybean

Start	3	End	372
GI	none	Score	134
Exons	3..110, 4..96, 5..97, 113..136, 245..370, 246..335, 247..372		

Seq. No.	7932	Seq. ID	OJ990601_07.9B12.C62
Gene No.	16716	Strand	-
Start	332	End	421
Name	OJ990601_07.9B12.C62.o1.gs	Method	GENSCAN
Start	332	End	421
GI	none	Score	.84
Exons	332..421		

Seq. No.	7933	Seq. ID	OJ990601_07.9B12.C69
Gene No.	16717	Strand	-
Start	717	End	2523
Name	OJ990601_07.9B12.C69.o1.gs	Method	GENSCAN
Start	717	End	2523
GI	none	Score	.41
Exons	717..977, 1389..1499, 1572..1819, 1841..1954, 2307..2523		

Seq. No.	7934	Seq. ID	OJ990601_07.9B12.C70
Gene No.	16718	Strand	+
Start	126	End	1293
Name	OJ990601_07.9B12.C70.o1.gs	Method	GENSCAN
Start	126	End	1293
GI	none	Score	.78
Exons	126..308, 348..540, 697..834, 1220..1293		

Seq. No.	7934	Seq. ID	OJ990601_07.9B12.C70
Gene No.	16719	Strand	-
Start	980	End	1301
Name	OJ990601_07.9B12.C70.o1.gp	Method	AAT/GAP
Start	980	End	1301
GI	91997_1.R1084	Score	603
Exons	980..1301		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	7935	Seq. ID	OJ990601_07.9B12.C71
Gene No.	16720	Strand	-
Start	1	End	1718
Name	OJ990601_07.9B12.C71.o1.gp	Method	AAT/GAP
Start	1	End	1613
GI	91997_1.R1084	Score	1323
Exons	1..204, 292..424, 556..715, 811..948, 1475..1613		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	7935	Seq. ID	OJ990601_07.9B12.C71
Gene No.	16720	Strand	-
Start	1	End	1718
Name	OJ990601_07.9B12.C71.o1.gs	Method	GENSCAN
Start	58	End	1718
GI	none	Score	.89
Exons	58..204, 292..424, 556..715, 811..948, 1475..1718		

Seq. No.	7936	Seq. ID	OJ990601_07.9B12.C72

Gene No.	16721	Strand	+
Start	1495	End	1581
Name	OJ990601_07.9B12.C72.o1.gp	Method	AAT/GAP
Start	1495	End	1581
GI	90742_1.R1084	Score	76
Exons	1495..1581		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	7936	Seq. ID	OJ990601_07.9B12.C72
Gene No.	16722	Strand	-
Start	234	End	1190
Name	OJ990601_07.9B12.C72.o1.gs	Method	GENSCAN
Start	234	End	1190
GI	none	Score	.67
Exons	234..380, 613..774, 807..1190		

Seq. No.	7937	Seq. ID	OJ990601_07.9B12.C73
Gene No.	16723	Strand	+
Start	3867	End	3943
Name	OJ990601_07.9B12.C73.o2.gs	Method	GENSCAN
Start	3867	End	3943
GI	none	Score	.93
Exons	3867..3943		

Seq. No.	7937	Seq. ID	OJ990601_07.9B12.C73
Gene No.	16724	Strand	-
Start	1336	End	1758
Name	OJ990601_07.9B12.C73.o1.gs	Method	GENSCAN
Start	1336	End	1758
GI	none	Score	.61
Exons	1336..1530, 1599..1758		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16725	Strand	+
Start	56	End	5775
Name	OJ990601_07.9B12.C74.o1.gs	Method	GENSCAN
Start	56	End	2948
GI	none	Score	.99
Exons	56..577, 1212..2948		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16725	Strand	+
Start	56	End	5775
Name	OJ990601_07.9B12.C74.o2.np	Method	AAT/NAP
Start	1923	End	5775
GI	3142291	Score	52
Exons	1923..2158, 5680..5775		
GI Descrip.	(AC002411) Contains similarity to adenylate cyclase gb|AF012921 from Magnaporthe grisae. EST gb|Z24512 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16725	Strand	+
Start	56	End	5775
Name	OJ990601_07.9B12.C74.o1.gp	Method	AAT/GAP
Start	2648	End	3089

GI	7139_1.R1084	Score	786
Exons	2648..3089		
GI Descrip.	'4726079/gb|AAD28303.1|AF143940_1 3.0e-39 (AF143940) SWI2/SNF2-like protein [Arabidopsis thaliana]'		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16726	Strand	-
Start	5088	End	6770
Name	OJ990601_07.9B12.C74.o2.tm	Method	TBLASTX:Maize
Start	161	End	580
GI	none	Score	595
Exons	161..580, 163..579		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16726	Strand	-
Start	5088	End	6770
Name	OJ990601_07.9B12.C74.o1.tc	Method	TBLASTX:Cress
Start	266	End	2642
GI	none	Score	108
Exons	266..382, 410..514, 1191..1322, 1367..1483, 1368..1535, 2478..2642		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16726	Strand	-
Start	5088	End	6770
Name	OJ990601_07.9B12.C74.o1.tm	Method	TBLASTX:Maize
Start	1610	End	2510
GI	none	Score	201
Exons	1610..1690, 1611..1733, 1824..2318, 1824..2138, 2069..2371, 2318..2509, 2319..2510		

Seq. No.	7938	Seq. ID	OJ990601_07.9B12.C74
Gene No.	16726	Strand	-
Start	5088	End	6770
Name	OJ990601_07.9B12.C74.o2.gs	Method	GENSCAN
Start	5088	End	6770
GI	none	Score	.56
Exons	5088..5102, 6069..6186, 6191..6412, 6547..6770		

Seq. No.	7939	Seq. ID	OJ990601_07.9B12.C75
Gene No.	16727	Strand	+
Start	1	End	69
Name	OJ990601_07.9B12.C75.o1.gp	Method	AAT/GAP
Start	1	End	69
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	1..69		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7940	Seq. ID	OJ990721_06.9B05.C1
Gene No.	16728	Strand	+
Start	90	End	519
Name	OJ990721_06.9B05.C1.o1.gs	Method	GENSCAN
Start	90	End	519
GI	none	Score	.74
Exons	90..316, 393..519		

Seq. No.	7941	Seq. ID	OJ990721_06.9B05.C2
Gene No.	16729	Strand	+
Start	117	End	1751
Name	OJ990721_06.9B05.C2.o1.gs	Method	GENSCAN
Start	117	End	1751
GI	none	Score	.55
Exons	117..188, 1592..1751		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o2.gs	Method	GENSCAN
Start	8832	End	20813
GI	none	Score	.48
Exons	8832..9026, 10007..10058, 12427..12556, 12900..12984, 14916..15089, 15121..15471, 16591..16622, 16801..16870, 17056..17189, 17348..17473, 18135..18268, 18362..18611, 18742..18926, 19035..19287, 19944..19991, 20024..20151, 20236..20388, 20521..20813		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o2.gp	Method	AAT/GAP
Start	14804	End	15212
GI	4714644	Score	702
Exons	14804..15212		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o2.np	Method	AAT/NAP
Start	16801	End	20030
GI	4895186	Score	1323
Exons	16801..16878, 16959..17024, 17101..17189, 17348..17480, 17564..17796, 18135..18611, 18742..18945, 19984..20030		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o3.gp	Method	AAT/GAP
Start	17333	End	18256
GI	11397_1.R1084	Score	927
Exons	17333..17480, 17564..17796, 18135..18256		
GI Descrip.	'4895186/gb|AAD32773.1|AC007661_10 9.0e-56 (AC007661) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o4.gp	Method	AAT/GAP
Start	18832	End	19480
GI	none	Score	1189
Exons	18832..19480		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16730	Strand	+
Start	8832	End	20813
Name	OJ990721_06.9B05.C3.o3.np	Method	AAT/NAP
Start	20139	End	20783
GI	6691485	Score	214
Exons	20139..20783		
GI Descrip.	(AB032198) gibberellin 3beta-hydroxylase [Nicotiana tabacum]		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16731	Strand	+
Start	25519	End	27984
Name	OJ990721_06.9B05.C3.o4.gs	Method	GENSCAN
Start	25519	End	27984
GI	none	Score	.95
Exons	25519..26364, 27130..27273, 27648..27812, 27973..27984		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16732	Strand	-
Start	1	End	5057
Name	OJ990721_06.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	5057
GI	4726079	Score	1860
Exons	1..173, 249..347, 638..757, 938..1057, 1165..1259, 1342..1446, 1543..1790, 2559..2733, 2825..3011, 3080..3430, 4156..4229, 4332..4625, 4950..5057		
GI Descrip.	(AF143940) SWI2/SNF2-like protein [Arabidopsis thaliana]		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16732	Strand	-
Start	1	End	5057
Name	OJ990721_06.9B05.C3.o1.gs	Method	GENSCAN
Start	3	End	5048
GI	none	Score	.69
Exons	3..173, 249..347, 638..757, 938..1039, 1165..1259, 1534..1800, 2559..2733, 2825..3011, 3338..3426, 4146..4247, 4341..4835, 4944..5048		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16732	Strand	-
Start	1	End	5057
Name	OJ990721_06.9B05.C3.o1.gp	Method	AAT/GAP
Start	2965	End	3316
GI	4878434	Score	508
Exons	2965..3011, 3080..3316		
GI Descrip.	4726079/gb|AAD28303.1|AF143940_1 3.0e-39 (AF143940) SWI2/SNF2-like protein [Arabidopsis thaliana]		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16733	Strand	-
Start	22229	End	24594
Name	OJ990721_06.9B05.C3.o3.gs	Method	GENSCAN
Start	22229	End	24594
GI	none	Score	.82
Exons	22229..22251, 22462..22584, 22832..22865, 23730..24348, 24398..24594		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	70	End	347
GI	none	Score	127
Exons	70..174, 71..151, 72..179, 235..336, 248..337, 249..347, 249..338		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	249	End	3349
GI	none	Score	81
Exons	249..347, 638..757, 639..707, 947..1057, 951..1058, 1562..1780, 2567..2662, 2578..2736, 2819..2914, 3086..3151, 3088..3153, 3169..3309, 3173..3295, 3179..3349		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	638	End	1185
GI	none	Score	142
Exons	638..760, 638..760, 639..764, 929..1060, 929..1057, 1162..1185		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	1187	End	2989
GI	none	Score	66
Exons	1187..1255, 1188..1253, 1192..1260, 1210..1302, 1220..1267, 1330..1437, 1338..1436, 1339..1437, 1340..1447, 1523..1756, 1535..1753, 2555..2575, 2572..2736, 2576..2734, 2819..2989, 2820..2978		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o6.tm	Method	TBLASTX:Maize
Start	3086	End	3310
GI	none	Score	50
Exons	3086..3151, 3088..3153, 3160..3309, 3179..3310		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	16792	End	18324
GI	none	Score	117
Exons	16792..16875, 16792..16875, 16950..17030, 16952..17023, 16953..17027, 16958..17032, 17091..17195, 17101..17187, 17346..17483, 17346..17483, 17559..17795, 17561..17797, 17563..17796, 17576..17800, 18129..18323, 18132..18320,		

18133..18324, 18133..18324

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o4.ts	Method	TBLASTX:Soybean
Start	16804	End	17480
GI	none	Score	53
Exons	16804..16851, 16965..17030, 16968..17027, 17100..17192, 17101..17184, 17324..17479, 17346..17480		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	17563	End	18642
GI	none	Score	308
Exons	17563..17796, 17564..17797, 18129..18611, 18133..18618, 18139..18642		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	17567	End	18618
GI	none	Score	263
Exons	17567..17797, 17569..17796, 18129..18182, 18133..18207, 18270..18614, 18274..18618		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	18564	End	19018
GI	none	Score	92
Exons	18564..18611, 18565..18618, 18738..18794, 18740..18832, 18740..18835, 18815..18991, 18836..19018		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	18749	End	18931
GI	none	Score	97
Exons	18749..18832, 18835..18918, 18836..18931		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o6.ts	Method	TBLASTX:Soybean
Start	20310	End	20732
GI	none	Score	67
Exons	20310..20372, 20424..20438, 20447..20482, 20495..20602, 20589..20732		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-

Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o7.tm	Method	TBLASTX:Maize
Start	29508	End	29945
GI	none	Score	75
Exons	29508..29711, 29808..29945		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o6.gs	Method	GENSCAN
Start	35410	End	38731
GI	none	Score	.87
Exons	35410..35867, 35969..36711, 37113..37241, 37278..37558, 38420..38731		

Seq. No.	7942	Seq. ID	OJ990721_06.9B05.C3
Gene No.	16734	Strand	-
Start	35410	End	38731
Name	OJ990721_06.9B05.C3.o5.ts	Method	TBLASTX:Soybean
Start	35794	End	36206
GI	none	Score	150
Exons	35794..35868, 35958..36206		

Seq. No.	7943	Seq. ID	OJ990721_06.9B05.C4
Gene No.	16735	Strand	-
Start	108	End	770
Name	OJ990721_06.9B05.C4.o1.gs	Method	GENSCAN
Start	108	End	770
GI	none	Score	.4
Exons	108..525, 557..770		

Seq. No.	7944	Seq. ID	OJ990721_06.9B05.C5
Gene No.	16736	Strand	+
Start	30	End	633
Name	OJ990721_06.9B05.C5.o1.gs	Method	GENSCAN
Start	30	End	633
GI	none	Score	.89
Exons	30..181, 318..384, 514..633		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16737	Strand	+
Start	661	End	1181
Name	OJ990721_06.9B05.C6.o1.gp	Method	AAT/GAP
Start	661	End	1181
GI	2037_1.R1084	Score	917
Exons	661..1181		
GI Descrip.	'4587556/gb|AAD25787.1|AC006577_23 6.0e-19 (AC006577) Similar to gi_1653162 (p)ppGpp 3-pyrophosphohydrolase from Synechocystis sp genome gb_D90911. EST gb_W43807 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16738	Strand	+
Start	3913	End	4200
Name	OJ990721_06.9B05.C6.o2.gp	Method	AAT/GAP
Start	3913	End	4200
GI	none	Score	539

Exons	3913..4200		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16739	Strand	-
Start	442	End	3907
Name	OJ990721_06.9B05.C6.o1.gs	Method	GENSCAN
Start	442	End	3904
GI	none	Score	.62
Exons	442..529, 815..1240, 1335..1411, 1516..1532, 1573..1686, 1764..1922, 2025..2485, 3230..3904		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16739	Strand	-
Start	442	End	3907
Name	OJ990721_06.9B05.C6.o1.np	Method	AAT/NAP
Start	943	End	3907
GI	4587556	Score	1716
Exons	943..1240, 1335..1686, 1764..1922, 2025..2485, 2942..3126, 3230..3907		
GI Descrip.	(AC006577) Similar to gi|1653162 (p)ppGpp 3-pyrophosphohydrolase from Synechocystis sp genome gb|D90911. EST gb|W43807 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16740	Strand	-
Start	6799	End	10111
Name	OJ990721_06.9B05.C6.o2.gs	Method	GENSCAN
Start	6799	End	10111
GI	none	Score	.6
Exons	6799..6899, 8331..8647, 8754..8984, 10032..10111		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	959	End	1243
GI	none	Score	271
Exons	959..1243, 971..1243		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	989	End	1858
GI	none	Score	171
Exons	989..1243, 990..1247, 1329..1439, 1339..1413, 1470..1544, 1476..1547, 1477..1548, 1545..1694, 1546..1686, 1566..1694, 1739..1858, 1748..1858		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	1013	End	3090
GI	none	Score	64
Exons	1013..1156, 1329..1469, 1339..1467, 1474..1548, 1476..1547, 1537..1686, 1545..1694, 1739..1909, 1748..1930, 2021..2302,		

2024..2485, 2112..2486, 2127..2486, 2377..2487, 2939..3055, 2940..2978, 3024..3053, 3058..3090

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o6.tm	Method	TBLASTX:Maize
Start	1332	End	1433
GI	none	Score	73
Exons	1332..1427, 1332..1433, 1333..1431		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	1473	End	1923
GI	none	Score	341
Exons	1473..1685, 1474..1686, 1737..1922, 1744..1923, 1748..1921		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	2147	End	3253
GI	none	Score	282
Exons	2147..2485, 2148..2486, 2193..2486, 2194..2487, 2939..3055, 2940..2978, 3053..3127, 3058..3123, 3224..3253		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	2169	End	2487
GI	none	Score	330
Exons	2169..2486, 2171..2485, 2179..2487		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	3073	End	3575
GI	none	Score	84
Exons	3073..3126, 3074..3127, 3218..3445, 3231..3446, 3458..3481, 3543..3575		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o3.gp	Method	AAT/GAP
Start	10958	End	11070
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	10958..11070		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6

Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o3.gs	Method	GENSCAN
Start	11398	End	16896
GI	none	Score	.87
Exons	11398..11752, 11858..12014, 12122..12308, 12439..12505, 12642..13229, 13308..13885, 14854..14909, 16150..16285, 16409..16477, 16632..16896		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o4.gp	Method	AAT/GAP
Start	15672	End	16899
GI	560_1.R1084	Score	1718
Exons	15672..16042, 16150..16285, 16409..16539, 16632..16899		
GI Descrip.	'129233/sp|P25778|ORYC_ORYSA 0.0e+00 ORYZAIN GAMMA CHAIN PRECURSOR >gi_67646_pir__KHRZOG oryzain (EC 3.4.22.-) gamma precursor - rice >gi_218185_dbj_BAA14404_ (D90408) oryzain gamma precursor [Oryza sativa]'		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	15777	End	16899
GI	none	Score	82
Exons	15777..15974, 15792..15968, 15996..16052, 16003..16056, 16148..16285, 16149..16286, 16149..16286, 16295..16330, 16407..16478, 16409..16480, 16420..16479, 16480..16539, 16480..16539, 16482..16541, 16606..16899, 16631..16807, 16632..16898		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	15821	End	16899
GI	none	Score	34
Exons	15821..15850, 15979..16044, 16005..16052, 16148..16285, 16149..16286, 16152..16286, 16408..16452, 16415..16480, 16477..16539, 16481..16501, 16631..16774, 16632..16877, 16632..16898, 16633..16899		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	16003	End	16909
GI	none	Score	214
Exons	16003..16041, 16005..16052, 16146..16286, 16147..16287, 16148..16285, 16152..16286, 16407..16457, 16408..16455, 16409..16483, 16409..16480, 16480..16539, 16506..16541, 16612..16899, 16630..16896, 16632..16898, 16667..16909		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-

Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o2.np	Method	AAT/NAP
Start	16008	End	16899
GI	129233	Score	848
Exons	16008..16042, 16150..16285, 16409..16539, 16632..16899		
GI Descrip.	ORYZAIN GAMMA CHAIN PRECURSOR gi|67646|pir||KHRZOG oryzain (EC 3.4.22.-) gamma precursor - rice gi|218185|dbj|BAA14404.1| (D90408) oryzain gamma precursor [Oryza sativa]		

Seq. No.	7945	Seq. ID	OJ990721_06.9B05.C6
Gene No.	16741	Strand	-
Start	11398	End	16909
Name	OJ990721_06.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	16412	End	16714
GI	none	Score	84
Exons	16412..16480, 16413..16478, 16418..16483, 16480..16536, 16480..16536, 16612..16707, 16632..16712, 16637..16714		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16742	Strand	+
Start	4903	End	5629
Name	OJ990721_06.9B05.C7.o3.gs	Method	GENSCAN
Start	4903	End	5629
GI	none	Score	.76
Exons	4903..5038, 5550..5629		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16743	Strand	+
Start	9144	End	11414
Name	OJ990721_06.9B05.C7.o4.gs	Method	GENSCAN
Start	9144	End	11414
GI	none	Score	.92
Exons	9144..9225, 11179..11414		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16744	Strand	+
Start	15810	End	18368
Name	OJ990721_06.9B05.C7.o2.np	Method	AAT/NAP
Start	15801	End	18368
GI	4006829	Score	1009
Exons	15801..16211, 16333..16468, 16887..17023, 17645..18368		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16744	Strand	+
Start	15810	End	18368
Name	OJ990721_06.9B05.C7.o6.gs	Method	GENSCAN
Start	15810	End	18346
GI	none	Score	.89
Exons	15810..16211, 16357..16468, 16887..17023, 17645..18346		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16745	Strand	+
Start	21884	End	22969
Name	OJ990721_06.9B05.C7.o3.np	Method	AAT/NAP
Start	21884	End	22969
GI	5257262	Score	853

Exons	21884..22706, 22872..22969		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16746	Strand	+
Start	28622	End	28943
Name	OJ990721_06.9B05.C7.o9.gs	Method	GENSCAN
Start	28622	End	28943
GI	none	Score	.8
Exons	28622..28765, 28806..28943		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16747	Strand	+
Start	30329	End	31452
Name	OJ990721_06.9B05.C7.o11.gs	Method	GENSCAN
Start	30329	End	31452
GI	none	Score	.56
Exons	30329..30579, 31077..31452		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16748	Strand	+
Start	32936	End	37076
Name	OJ990721_06.9B05.C7.o4.np	Method	AAT/NAP
Start	32888	End	37070
GI	1171579	Score	1608
Exons	32888..33823, 36444..37070		
GI Descrip.	(X95342) cytochrome P450 [Nicotiana tabacum]		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16748	Strand	+
Start	32936	End	37076
Name	OJ990721_06.9B05.C7.o12.gs	Method	GENSCAN
Start	32936	End	33874
GI	none	Score	.72
Exons	32936..33874		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16748	Strand	+
Start	32936	End	37076
Name	OJ990721_06.9B05.C7.o13.gs	Method	GENSCAN
Start	35471	End	37076
GI	none	Score	.97
Exons	35471..35524, 36444..37076		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16749	Strand	-
Start	1	End	1752
Name	OJ990721_06.9B05.C7.o1.gp	Method	AAT/GAP
Start	1	End	1752
GI	560_1.R1084	Score	1051
Exons	1..26, 261..334, 1033..1151, 1227..1348, 1477..1752		
GI Descrip.	'129233/sp|P25778|ORYC_ORYSA 0.0e+00 ORYZAIN GAMMA CHAIN PRECURSOR >gi_67646_pir__KHRZOG oryzain (EC 3.4.22.-) gamma precursor - rice >gi_218185_dbj_BAA14404_ (D90408) oryzain gamma precursor [Oryza sativa]'		
Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7

Gene No.	16749	Strand	-
Start	1	End	1752
Name	OJ990721_06.9B05.C7.o1.gs	Method	GENSCAN
Start	261	End	1679
GI	none	Score	.79
Exons	261..343, 991..1151, 1227..1348, 1477..1679		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16749	Strand	-
Start	1	End	1752
Name	OJ990721_06.9B05.C7.o1.np	Method	AAT/NAP
Start	261	End	1679
GI	129233	Score	734
Exons	261..334, 1033..1151, 1227..1348, 1477..1679		
GI Descrip.	ORYZAIN GAMMA CHAIN PRECURSOR gi|67646|pir||KHRZOG oryzain (EC 3.4.22.-) gamma precursor - rice gi|218185|dbj|BAA14404.1| (D90408) oryzain gamma precursor [Oryza sativa]		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16750	Strand	-
Start	2063	End	2158
Name	OJ990721_06.9B05.C7.o2.gp	Method	AAT/GAP
Start	2063	End	2158
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	2063..2158		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16751	Strand	-
Start	3220	End	3585
Name	OJ990721_06.9B05.C7.o2.gs	Method	GENSCAN
Start	3220	End	3585
GI	none	Score	.72
Exons	3220..3585		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16752	Strand	-
Start	25512	End	25878
Name	OJ990721_06.9B05.C7.o3.gp	Method	AAT/GAP
Start	25512	End	25878
GI	2442576	Score	682
Exons	25512..25878		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o3.tc	Method	TBLASTX:Cress
Start	261	End	1347
GI	none	Score	96
Exons	261..341, 263..334, 1048..1149, 1049..1147, 1225..1347, 1228..1335		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329

Name	OJ990721_06.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	261	End	1556
GI	none	Score	82
Exons	261..341, 263..337, 1001..1150, 1051..1149, 1228..1305, 1228..1347, 1476..1556		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	261	End	1605
GI	none	Score	111
Exons	261..341, 262..366, 263..334, 1048..1149, 1049..1150, 1125..1151, 1225..1347, 1228..1350, 1265..1363, 1277..1351, 1476..1601, 1534..1605		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	15981	End	18121
GI	none	Score	220
Exons	15981..16181, 16031..16180, 16184..16210, 16185..16211, 16335..16454, 16336..16482, 16897..17025, 16898..17020, 17624..18079, 17644..18078, 18077..18121		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o4.tw	Method	TBLASTX:Wheat
Start	15981	End	16184
GI	none	Score	227
Exons	15981..16181, 16013..16180, 16107..16184		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o2.tc	Method	TBLASTX:Cress
Start	15999	End	18063
GI	none	Score	89
Exons	15999..16124, 16013..16132, 16185..16211, 16333..16467, 16901..17020, 16906..17019, 17624..18058, 17645..17824, 17647..17832, 17866..18063		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	16058	End	17025
GI	none	Score	107
Exons	16058..16258, 16059..16142, 16149..16181, 16185..16211, 16193..16213, 16332..16469, 16332..16460, 16333..16482, 16336..16467, 16892..17020, 16897..17025		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329

Name	OJ990721_06.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	17639	End	18037
GI	none	Score	605
Exons	17639..18037, 17640..17951, 17641..18033		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	17653	End	18082
GI	none	Score	662
Exons	17653..18078, 17654..18082, 17654..18079, 18003..18080		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o3.tw	Method	TBLASTX:Wheat
Start	22346	End	22714
GI	none	Score	84
Exons	22346..22426, 22379..22423, 22450..22698, 22451..22714		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o7.tm	Method	TBLASTX:Maize
Start	25238	End	25445
GI	none	Score	88
Exons	25238..25318, 25239..25319, 25338..25445, 25338..25442		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16753	Strand	-
Start	29090	End	29329
Name	OJ990721_06.9B05.C7.o10.gs	Method	GENSCAN
Start	29090	End	29329
GI	none	Score	.91
Exons	29090..29158, 29201..29329		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	32897	End	36971
GI	none	Score	177
Exons	32897..33250, 32989..33171, 33257..33361, 36444..36971, 36458..36955		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	32947	End	33354
GI	none	Score	500
Exons	32947..33192, 32948..33349, 33145..33354, 33229..33324, 33269..33349		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	

Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	32968	End	37064
GI	none	Score	444
Exons	32968..33192, 32969..33370, 33232..33324, 33359..33481, 33466..33663, 33566..33709, 33704..33823, 33728..33823, 36443..37048, 36444..37064		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o6.tw	Method	TBLASTX:Wheat
Start	32968	End	33304
GI	none	Score	182
Exons	32968..33192, 32969..33304		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o6.tm	Method	TBLASTX:Maize
Start	33356	End	33664
GI	none	Score	43
Exons	33356..33391, 33380..33487, 33404..33448, 33412..33474, 33496..33663, 33566..33664		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	33665	End	37082
GI	none	Score	181
Exons	33665..33823, 33675..33824, 33676..33825, 36443..37081, 36444..37082		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	33737	End	36749
GI	none	Score	59
Exons	33737..33820, 36443..36748, 36444..36749		

Seq. No.	7946	Seq. ID	OJ990721_06.9B05.C7
Gene No.	16754	Strand	
Start	32897	End	37082
Name	OJ990721_06.9B05.C7.o5.tw	Method	TBLASTX:Wheat
Start	36779	End	37016
GI	none	Score	215
Exons	36779..36997, 36780..37016		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16755	Strand	+
Start	420	End	761
Name	OJ990721_06.9B05.C8.o1.gs	Method	GENSCAN
Start	420	End	761
GI	none	Score	.95
Exons	420..517, 566..761		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	1385	End	2083
GI	none	Score	38
Exons	1385..1450, 1410..1436, 1436..2083, 1488..1895, 1932..2081		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o3.tc	Method	TBLASTX:Cress
Start	1424	End	1909
GI	none	Score	41
Exons	1424..1654, 1590..1655, 1692..1781, 1694..1810, 1820..1909		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o1.np	Method	AAT/NAP
Start	1436	End	5303
GI	2586082	Score	4032
Exons	1436..5303		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	1445	End	2092
GI	none	Score	45
Exons	1445..1657, 1566..1664, 1673..2092, 1746..2000		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	1847	End	2285
GI	none	Score	55
Exons	1847..2242, 1848..1934, 1962..2222, 2256..2285		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	2253	End	2657
GI	none	Score	145
Exons	2253..2657, 2347..2646		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	2286	End	2799
GI	none	Score	74
Exons	2286..2468, 2454..2798, 2455..2649, 2701..2799		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	2463	End	2981
GI	5509260	Score	109
Exons	2463..2981, 2476..2640, 2710..2829		
GI Descrip.	-		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o2.tc	Method	TBLASTX:Cress
Start	2580	End	2853
GI	none	Score	136
Exons	2580..2840, 2581..2853		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o5.tm	Method	TBLASTX:Maize
Start	2703	End	2936
GI	none	Score	75
Exons	2703..2936, 2710..2841		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	3507	End	3971
GI	none	Score	38
Exons	3507..3971, 3508..3627, 3682..3945		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	3507	End	3854
GI	none	Score	277
Exons	3507..3854		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	3525	End	3959
GI	none	Score	248
Exons	3525..3959		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	3528	End	3858
GI	none	Score	116
Exons	3528..3851, 3532..3858		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o4.ts	Method	TBLASTX:Soybean
Start	3966	End	4379
GI	none	Score	78
Exons	3966..4136, 4155..4268, 4275..4379		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	4447	End	4748
GI	none	Score	138
Exons	4447..4743, 4455..4748, 4473..4748		

Seq. No.	7947	Seq. ID	OJ990721_06.9B05.C8
Gene No.	16756	Strand	-
Start	1436	End	5303
Name	OJ990721_06.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	4455	End	4823
GI	none	Score	203
Exons	4455..4823, 4456..4782, 4476..4802		

Seq. No.	7948	Seq. ID	OJ990601_05.9B09.C1
Gene No.	16757	Strand	+
Start	184	End	1262
Name	OJ990601_05.9B09.C1.o1.gs	Method	GENSCAN
Start	184	End	1262
GI	none	Score	.47
Exons	184..242, 529..842, 863..937, 1156..1262		

Seq. No.	7949	Seq. ID	OJ990601_05.9B09.C2
Gene No.	16758	Strand	+
Start	864	End	914
Name	OJ990601_05.9B09.C2.o1.gs	Method	GENSCAN
Start	864	End	914
GI	none	Score	.76
Exons	864..914		

Seq. No.	7950	Seq. ID	OJ990601_05.9B09.C3
Gene No.	16759	Strand	+
Start	1	End	3677
Name	OJ990601_05.9B09.C3.o1.np	Method	AAT/NAP
Start	1	End	3677
GI	5042463	Score	106
Exons	1..27, 875..1238, 1962..2037, 2510..2609, 3646..3677		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	7951	Seq. ID	OJ990601_05.9B09.C4
Gene No.	16760	Strand	+
Start	82	End	345
Name	OJ990601_05.9B09.C4.o1.gs	Method	GENSCAN
Start	82	End	345
GI	none	Score	.84
Exons	82..345		

Seq. No.	7952	Seq. ID	OJ990601_05.9B09.C5
Gene No.	16761	Strand	+
Start	1	End	2594
Name	OJ990601_05.9B09.C5.o1.np	Method	AAT/NAP
Start	1	End	2594
GI	6714447	Score	520
Exons	1..23, 372..482, 973..1091, 1258..1399, 1549..1716, 1810..2010, 2566..2594		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7952	Seq. ID	OJ990601_05.9B09.C5
Gene No.	16761	Strand	+
Start	1	End	2594
Name	OJ990601_05.9B09.C5.o1.gs	Method	GENSCAN
Start	386	End	1983
GI	none	Score	.82
Exons	386..482, 973..1091, 1273..1399, 1810..1983		

Seq. No.	7952	Seq. ID	OJ990601_05.9B09.C5
Gene No.	16761	Strand	+
Start	1	End	2594
Name	OJ990601_05.9B09.C5.o1.gp	Method	AAT/GAP
Start	1921	End	1993
GI	uC-osf1M202097d01b1	Score	99
Exons	1921..1993		
GI Descrip.	'2773042 5.0e-26 (AF038440) phospholipase D2 [Homo sapiens]'		

Seq. No.	7953	Seq. ID	OJ990601_05.9B09.C6
Gene No.	16762	Strand	+
Start	1	End	1424
Name	OJ990601_05.9B09.C6.o1.np	Method	AAT/NAP
Start	1	End	1424
GI	6714447	Score	337
Exons	1..33, 930..1175, 1263..1424		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7953	Seq. ID	OJ990601_05.9B09.C6
Gene No.	16762	Strand	+
Start	1	End	1424
Name	OJ990601_05.9B09.C6.o1.gp	Method	AAT/GAP
Start	928	End	1424
GI	uC-osf1M202097d01b1	Score	667
Exons	928..1175, 1263..1424		
GI Descrip.	'2773042 5.0e-26 (AF038440) phospholipase D2 [Homo sapiens]'		

Seq. No.	7953	Seq. ID	OJ990601_05.9B09.C6
Gene No.	16762	Strand	+
Start	1	End	1424
Name	OJ990601_05.9B09.C6.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1307
GI	none	Score	63
Exons	969..1031, 1019..1156, 1019..1156, 1023..1178, 1032..1160, 1260..1307, 1262..1303		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16763	Strand	+

Start	159	End	2395
Name	OJ990601_05.9B09.C7.o1.gs	Method	GENSCAN
Start	159	End	2395
GI	none	Score	.88
Exons	159..262, 433..505, 520..659, 737..886, 1031..1187, 1254..1793, 2273..2395		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16763	Strand	+
Start	159	End	2395
Name	OJ990601_05.9B09.C7.o1.np	Method	AAT/NAP
Start	538	End	1500
GI	6714447	Score	694
Exons	538..659, 737..886, 1031..1187, 1254..1500		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16764	Strand	+
Start	2928	End	2978
Name	OJ990601_05.9B09.C7.o2.gp	Method	AAT/GAP
Start	2928	End	2978
GI	5056147	Score	85
Exons	2928..2978		
GI Descrip.	5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16765	Strand	-
Start	513	End	587
Name	OJ990601_05.9B09.C7.o1.gp	Method	AAT/GAP
Start	513	End	587
GI	uC-osf1M202097d01b1	Score	121
Exons	513..587		
GI Descrip.	'2773042 5.0e-26 (AF038440) phospholipase D2 [Homo sapiens]'		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16766	Strand	
Start	749	End	1166
Name	OJ990601_05.9B09.C7.o1.tc	Method	TBLASTX:Cress
Start	749	End	1166
GI	none	Score	209
Exons	749..889, 750..896, 754..906, 992..1165, 1029..1166		

Seq. No.	7954	Seq. ID	OJ990601_05.9B09.C7
Gene No.	16767	Strand	
Start	1251	End	1630
Name	OJ990601_05.9B09.C7.o1.tm	Method	TBLASTX:Maize
Start	1251	End	1630
GI	none	Score	135
Exons	1251..1355, 1252..1356, 1252..1350, 1253..1354, 1405..1509, 1407..1457, 1414..1461, 1521..1625, 1523..1630		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.np	Method	AAT/NAP

Start	1	End	3120
GI	6714447	Score	796
Exons	1..27, 504..651, 811..957, 1032..1229, 1364..1465, 2100..2231, 2755..2820, 3032..3120		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.gp	Method	AAT/GAP
Start	537	End	1203
GI	1631485	Score	769
Exons	537..651, 811..957, 1032..1203		
GI Descrip.	2077943/dbj|BAA19882| 7.0e-29 (D88672) phospholipase D [Rattus norvegicus]		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.gs	Method	GENSCAN
Start	541	End	2820
GI	none	Score	.97
Exons	541..651, 811..957, 1032..1229, 1364..1465, 2100..2231, 2755..2820		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.ts	Method	TBLASTX:Soybean
Start	816	End	3094
GI	none	Score	178
Exons	816..950, 817..957, 1029..1232, 1040..1171, 1159..1239, 1361..1468, 1365..1463, 1366..1464, 2100..2234, 2162..2242, 2752..2820, 3031..3093, 3035..3094		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.tc	Method	TBLASTX:Cress
Start	916	End	1468
GI	none	Score	68
Exons	916..957, 916..963, 1029..1232, 1029..1235, 1349..1465, 1361..1468		

Seq. No.	7955	Seq. ID	OJ990601_05.9B09.C8
Gene No.	16768	Strand	+
Start	1	End	3120
Name	OJ990601_05.9B09.C8.o1.tm	Method	TBLASTX:Maize
Start	1191	End	3118
GI	none	Score	60
Exons	1191..1232, 1195..1239, 1361..1468, 1363..1464, 2042..2065, 2064..2252, 2099..2233, 2100..2234, 2116..2238, 2745..2825, 2746..2832, 2752..2820, 3031..3096, 3031..3096, 3035..3118		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16769	Strand	+
Start	113	End	513

Name	OJ990601_05.9B09.C9.o1.np	Method	AAT/NAP
Start	113	End	513
GI	6714447	Score	207
Exons	113..174, 267..513		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16770	Strand	+
Start	1537	End	2464
Name	OJ990601_05.9B09.C9.o2.gs	Method	GENSCAN
Start	1537	End	2464
GI	none	Score	.67
Exons	1537..1698, 1908..2004, 2012..2323, 2400..2464		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16771	Strand	+
Start	3645	End	4091
Name	OJ990601_05.9B09.C9.o1.gp	Method	AAT/GAP
Start	3645	End	4091
GI	LIB3431-062-P1-N1-D12	Score	874
Exons	3645..4091		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o2.tm	Method	TBLASTX:Maize
Start	112	End	555
GI	none	Score	75
Exons	112..177, 112..177, 116..199, 260..514, 265..555, 265..522, 288..542		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o2.ts	Method	TBLASTX:Soybean
Start	112	End	519
GI	none	Score	82
Exons	112..174, 116..175, 265..519, 279..506		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o1.tm	Method	TBLASTX:Maize
Start	3861	End	4280
GI	none	Score	423
Exons	3861..4277, 3864..4280, 3865..4278		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o3.gs	Method	GENSCAN
Start	3870	End	5568
GI	none	Score	.91
Exons	3870..4619, 4848..5024, 5467..5568		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o2.np	Method	AAT/NAP
Start	3894	End	6252
GI	2244965	Score	999
Exons	3894..4724, 4848..5024, 5278..5376, 5446..5568, 5980..6252		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o2.tc	Method	TBLASTX:Cress
Start	3924	End	4151
GI	none	Score	96
Exons	3924..4034, 3925..4035, 4042..4125, 4071..4151		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o4.tm	Method	TBLASTX:Maize
Start	4332	End	4994
GI	none	Score	44
Exons	4332..4364, 4337..4375, 4355..4498, 4358..4453, 4359..4610, 4392..4622, 4529..4621, 4845..4994, 4847..4984		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o1.tc	Method	TBLASTX:Cress
Start	4845	End	5548
GI	none	Score	111
Exons	4845..5024, 4846..5025, 4922..5029, 5275..5406, 5276..5407, 5471..5548, 5482..5547		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o3.tm	Method	TBLASTX:Maize
Start	5274	End	6231
GI	none	Score	65
Exons	5274..5330, 5274..5330, 5275..5343, 5275..5346, 5276..5350, 5297..5398, 5301..5396, 5320..5406, 5471..5566, 5477..5566, 5478..5570, 5479..5571, 5977..6231, 5982..6215, 5983..6216		

Seq. No.	7956	Seq. ID	OJ990601_05.9B09.C9
Gene No.	16772	Strand	-
Start	3870	End	6253
Name	OJ990601_05.9B09.C9.o1.ts	Method	TBLASTX:Soybean
Start	5307	End	6253
GI	none	Score	90
Exons	5307..5399, 5308..5406, 5309..5398, 5471..5566, 5479..5568, 5977..6252, 5981..6253		

Seq. No.	7957	Seq. ID	OJ990601_05.9B09.C10
Gene No.	16773	Strand	+

Start	645	End	743
Name	OJ990601_05.9B09.C10.o1.gs	Method	GENSCAN
Start	645	End	743
GI	none	Score	.75
Exons	645..743		

Seq. No.	7958	Seq. ID	OJ990601_05.9B09.C12
Gene No.	16774	Strand	+
Start	1767	End	2032
Name	OJ990601_05.9B09.C12.o1.gp	Method	AAT/GAP
Start	1767	End	2032
GI	none	Score	520
Exons	1767..2032		

Seq. No.	7958	Seq. ID	OJ990601_05.9B09.C12
Gene No.	16775	Strand	-
Start	1121	End	2211
Name	OJ990601_05.9B09.C12.o1.gs	Method	GENSCAN
Start	1121	End	2211
GI	none	Score	.65
Exons	1121..1249, 2116..2211		

Seq. No.	7959	Seq. ID	OJ990601_05.9B09.C13
Gene No.	16776	Strand	+
Start	256	End	848
Name	OJ990601_05.9B09.C13.o1.gs	Method	GENSCAN
Start	256	End	848
GI	none	Score	.59
Exons	256..330, 741..848		

Seq. No.	7959	Seq. ID	OJ990601_05.9B09.C13
Gene No.	16777	Strand	-
Start	240	End	573
Name	OJ990601_05.9B09.C13.o1.gp	Method	AAT/GAP
Start	240	End	573
GI	none	Score	398
Exons	240..324, 447..573		

Seq. No.	7960	Seq. ID	OJ990601_05.9B09.C15
Gene No.	16778	Strand	+
Start	32	End	1031
Name	OJ990601_05.9B09.C15.o1.np	Method	AAT/NAP
Start	32	End	1031
GI	6714447	Score	93
Exons	32..311, 940..1031		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7960	Seq. ID	OJ990601_05.9B09.C15
Gene No.	16778	Strand	+
Start	32	End	1031
Name	OJ990601_05.9B09.C15.o1.gs	Method	GENSCAN
Start	80	End	262
GI	none	Score	.93
Exons	80..262		

Seq. No.	7961	Seq. ID	OJ990601_05.9B09.C19
Gene No.	16779	Strand	+

Start	30	End	159
Name	OJ990601_05.9B09.C19.o1.gs	Method	GENSCAN
Start	30	End	159
GI	none	Score	.55
Exons	30..159		

Seq. No.	7962	Seq. ID	OJ990601_05.9B09.C20
Gene No.	16780	Strand	+
Start	1	End	464
Name	OJ990601_05.9B09.C20.o1.np	Method	AAT/NAP
Start	1	End	464
GI	6714447	Score	129
Exons	1..230, 438..464		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	7963	Seq. ID	OJ990601_05.9B09.C23
Gene No.	16781	Strand	-
Start	150	End	520
Name	OJ990601_05.9B09.C23.o1.gs	Method	GENSCAN
Start	150	End	520
GI	none	Score	.43
Exons	150..520		

Seq. No.	7964	Seq. ID	OJ990601_05.9B09.C25
Gene No.	16782	Strand	-
Start	114	End	751
Name	OJ990601_05.9B09.C25.o1.gs	Method	GENSCAN
Start	114	End	751
GI	none	Score	.86
Exons	114..304, 516..558, 713..751		

Seq. No.	7965	Seq. ID	OJ990601_05.9B09.C26
Gene No.	16783	Strand	-
Start	1	End	102
Name	OJ990601_05.9B09.C26.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	LIB3431-062-P1-N1-D12	Score	196
Exons	1..102		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	7966	Seq. ID	OJ990601_05.9B09.C28
Gene No.	16784	Strand	+
Start	152	End	726
Name	OJ990601_05.9B09.C28.o1.gs	Method	GENSCAN
Start	152	End	726
GI	none	Score	.57
Exons	152..726		

Seq. No.	7967	Seq. ID	OJ990601_05.9B09.C29
Gene No.	16785	Strand	+
Start	820	End	910
Name	OJ990601_05.9B09.C29.o1.gs	Method	GENSCAN
Start	820	End	910
GI	none	Score	.91
Exons	820..910		

Seq. No.	7967	Seq. ID	OJ990601_05.9B09.C29
Gene No.	16786	Strand	+
Start	1421	End	2002
Name	OJ990601_05.9B09.C29.o2.gs	Method	GENSCAN
Start	1421	End	2002
GI	none	Score	.55
Exons	1421..2002		

Seq. No.	7967	Seq. ID	OJ990601_05.9B09.C29
Gene No.	16787	Strand	-
Start	5035	End	5309
Name	OJ990601_05.9B09.C29.o1.np	Method	AAT/NAP
Start	3801	End	5309
GI	6522915	Score	62
Exons	3801..3961, 5222..5309		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	7967	Seq. ID	OJ990601_05.9B09.C29
Gene No.	16787	Strand	-
Start	5035	End	5309
Name	OJ990601_05.9B09.C29.o3.gs	Method	GENSCAN
Start	5035	End	5286
GI	none	Score	.82
Exons	5035..5286		

Seq. No.	7968	Seq. ID	OJ990601_05.9B09.C30
Gene No.	16788	Strand	+
Start	146	End	1387
Name	OJ990601_05.9B09.C30.o1.gs	Method	GENSCAN
Start	146	End	1387
GI	none	Score	.97
Exons	146..237, 1312..1387		

Seq. No.	7968	Seq. ID	OJ990601_05.9B09.C30
Gene No.	16789	Strand	+
Start	2603	End	2717
Name	OJ990601_05.9B09.C30.o1.gp	Method	AAT/GAP
Start	2603	End	2717
GI	38012_1.R1084	Score	110
Exons	2603..2717		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	7969	Seq. ID	OJ990601_05.9B09.C34
Gene No.	16790	Strand	+
Start	571	End	655
Name	OJ990601_05.9B09.C34.o1.gs	Method	GENSCAN
Start	571	End	655
GI	none	Score	.66
Exons	571..655		

Seq. No.	7969	Seq. ID	OJ990601_05.9B09.C34
Gene No.	16791	Strand	+
Start	1025	End	1090
Name	OJ990601_05.9B09.C34.o1.gp	Method	AAT/GAP
Start	1025	End	1090

GI	5004627	Score	124
Exons	1025..1090		

Seq. No.	7970	Seq. ID	OJ990601_05.9B09.C37
Gene No.	16792	Strand	-
Start	1	End	1089
Name	OJ990601_05.9B09.C37.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	5441880	Score	1755
Exons	1..1089		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7970	Seq. ID	OJ990601_05.9B09.C37
Gene No.	16793	Strand	-
Start	1102	End	2159
Name	OJ990601_05.9B09.C37.o1.tw	Method	TBLASTX:Wheat
Start	28	End	234
GI	none	Score	96
Exons	28..225, 79..234		

Seq. No.	7970	Seq. ID	OJ990601_05.9B09.C37
Gene No.	16793	Strand	-
Start	1102	End	2159
Name	OJ990601_05.9B09.C37.o1.tm	Method	TBLASTX:Maize
Start	67	End	528
GI	none	Score	151
Exons	67..366, 128..349, 400..528, 422..520		

Seq. No.	7970	Seq. ID	OJ990601_05.9B09.C37
Gene No.	16793	Strand	-
Start	1102	End	2159
Name	OJ990601_05.9B09.C37.o2.np	Method	AAT/NAP
Start	1102	End	2159
GI	6721543	Score	155
Exons	1102..1218, 2031..2159		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7971	Seq. ID	OJ990601_05.9B09.C38
Gene No.	16794	Strand	+
Start	92	End	1473
Name	OJ990601_05.9B09.C38.o1.gs	Method	GENSCAN
Start	92	End	1473
GI	none	Score	.47
Exons	92..227, 1340..1473		

Seq. No.	7971	Seq. ID	OJ990601_05.9B09.C38
Gene No.	16795	Strand	-
Start	2584	End	3006
Name	OJ990601_05.9B09.C38.o2.gs	Method	GENSCAN
Start	2584	End	3006
GI	none	Score	.59
Exons	2584..3006		

Seq. No.	7972	Seq. ID	OJ990601_05.9B09.C39
Gene No.	16796	Strand	-

Start	71	End	956
Name	OJ990601_05.9B09.C39.o1.np	Method	AAT/NAP
Start	71	End	956
GI	5441880	Score	690
Exons	71..305, 421..552, 799..956		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7972	Seq. ID	OJ990601_05.9B09.C39
Gene No.	16796	Strand	-
Start	71	End	956
Name	OJ990601_05.9B09.C39.o1.gs	Method	GENSCAN
Start	188	End	896
GI	none	Score	.66
Exons	188..305, 310..357, 421..552, 799..896		

Seq. No.	7973	Seq. ID	OJ990601_05.9B09.C40
Gene No.	16797	Strand	
Start	217	End	741
Name	OJ990601_05.9B09.C40.o1.tm	Method	TBLASTX:Maize
Start	217	End	741
GI	none	Score	186
Exons	217..537, 220..543, 290..544, 540..653, 541..591, 612..740, 642..740, 694..741		

Seq. No.	7974	Seq. ID	OJ990601_05.9B09.C41
Gene No.	16798	Strand	+
Start	739	End	1569
Name	OJ990601_05.9B09.C41.o1.gs	Method	GENSCAN
Start	739	End	1569
GI	none	Score	.91
Exons	739..805, 1436..1569		

Seq. No.	7974	Seq. ID	OJ990601_05.9B09.C41
Gene No.	16799	Strand	+
Start	3670	End	3906
Name	OJ990601_05.9B09.C41.o2.gs	Method	GENSCAN
Start	3670	End	3906
GI	none	Score	.56
Exons	3670..3906		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16800	Strand	+
Start	1382	End	2290
Name	OJ990601_05.9B09.C42.o1.gs	Method	GENSCAN
Start	1382	End	2290
GI	none	Score	.83
Exons	1382..1497, 1881..2044, 2141..2290		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16801	Strand	+
Start	5397	End	11639
Name	OJ990601_05.9B09.C42.o1.np	Method	AAT/NAP
Start	5397	End	8573
GI	3549626	Score	397
Exons	5397..5461, 7487..8573		

GI Descrip. (AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16801	Strand	+
Start	5397	End	11639
Name	OJ990601_05.9B09.C42.o2.gs	Method	GENSCAN
Start	6355	End	11453
GI	none	Score	.82
Exons	6355..6506, 6898..6973, 7533..9357, 10533..10774, 10876..11006, 11276..11453		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16801	Strand	+
Start	5397	End	11639
Name	OJ990601_05.9B09.C42.o2.np	Method	AAT/NAP
Start	10578	End	11639
GI	3522961	Score	436
Exons	10578..10774, 10867..11014, 11145..11434, 11547..11639		
GI Descrip.	(AC004411) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16801	Strand	+
Start	5397	End	11639
Name	OJ990601_05.9B09.C42.o2.gp	Method	AAT/GAP
Start	11338	End	11639
GI	13679_1.R1084	Score	360
Exons	11338..11425, 11538..11639		
GI Descrip.	'3763932 6.0e-23 (AC004450) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16802	Strand	-
Start	887	End	967
Name	OJ990601_05.9B09.C42.o1.gp	Method	AAT/GAP
Start	887	End	967
GI	38012_1.R1084	Score	113
Exons	887..967		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16803	Strand	
Start	7566	End	11639
Name	OJ990601_05.9B09.C42.o1.tc	Method	TBLASTX:Cress
Start	7566	End	11339
GI	none	Score	45
Exons	7566..7628, 7625..7702, 7626..7706, 7727..7861, 7728..7877, 7914..7964, 7961..8062, 7974..8219, 8090..8194, 8616..8798, 9144..9233, 10610..10744, 10843..10989, 11148..11339, 11180..11335		

Seq. No.	7975	Seq. ID	OJ990601_05.9B09.C42
Gene No.	16803	Strand	-
Start	7566	End	11639
Name	OJ990601_05.9B09.C42.o1.tm	Method	TBLASTX:Maize
Start	7583	End	8064
GI	none	Score	141

Exons 7583..7717, 7584..7718, 7715..8062, 7716..8063, 7720..8064, 7720..8064

Seq. No. 7975 Seq. ID OJ990601_05.9B09.C42
Gene No. 16803 Strand
Start 7566 End 11639
Name OJ990601_05.9B09.C42.o1.ts Method TBLASTX:Soybean
Start 7632 End 11357
GI none Score 206
Exons 7632..7880, 7634..7867, 7883..7963, 7884..7964, 7974..8219, 7988..8209, 9144..9239, 10885..10998, 11142..11357

Seq. No. 7975 Seq. ID OJ990601_05.9B09.C42
Gene No. 16803 Strand
Start 7566 End 11639
Name OJ990601_05.9B09.C42.o1.tw Method TBLASTX:Wheat
Start 7977 End 11339
GI none Score 101
Exons 7977..8096, 8082..8213, 9174..9233, 11217..11339

Seq. No. 7975 Seq. ID OJ990601_05.9B09.C42
Gene No. 16803 Strand
Start 7566 End 11639
Name OJ990601_05.9B09.C42.o2.tm Method TBLASTX:Maize
Start 8085 End 11639
GI none Score 144
Exons 8085..8246, 8102..8236, 9186..9233, 10550..10762, 10600..10755, 10893..10982, 10897..10989, 10979..11014, 11122..11193, 11136..11252, 11139..11342, 11143..11310, 11144..11335, 11378..11437, 11538..11591, 11548..11592, 11582..11629, 11583..11639

Seq. No. 7975 Seq. ID OJ990601_05.9B09.C42
Gene No. 16803 Strand
Start 7566 End 11639
Name OJ990601_05.9B09.C42.o3.tm Method TBLASTX:Maize
Start 8882 End 9123
GI none Score 264
Exons 8882..9100, 8883..9101, 8986..9123

Seq. No. 7976 Seq. ID OJ990601_05.9B09.C43
Gene No. 16804 Strand +
Start 105 End 491
Name OJ990601_05.9B09.C43.o1.gs Method GENSCAN
Start 105 End 491
GI none Score .67
Exons 105..192, 250..491

Seq. No. 7977 Seq. ID OJ990601_05.9B09.C44
Gene No. 16805 Strand -
Start 154 End 1472
Name OJ990601_05.9B09.C44.o1.gs Method GENSCAN
Start 154 End 1472
GI none Score .6
Exons 154..242, 334..389, 771..865, 1155..1472

Seq. No. 7978 Seq. ID OJ990601_05.9B09.C45

Gene No.	16806	Strand	+
Start	2190	End	2910
Name	OJ990601_05.9B09.C45.o1.gs	Method	GENSCAN
Start	2190	End	2910
GI	none	Score	.52
Exons	2190..2289, 2456..2910		

Seq. No.	7979	Seq. ID	OJ990601_05.9B09.C46
Gene No.	16807	Strand	+
Start	793	End	2254
Name	OJ990601_05.9B09.C46.o1.np	Method	AAT/NAP
Start	793	End	2254
GI	4539658	Score	67
Exons	793..843, 2168..2254		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	7979	Seq. ID	OJ990601_05.9B09.C46
Gene No.	16808	Strand	+
Start	5913	End	6005
Name	OJ990601_05.9B09.C46.o2.gp	Method	AAT/GAP
Start	5913	End	6005
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	5913..6005		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7980	Seq. ID	OJ990601_05.9B09.C47
Gene No.	16809	Strand	+
Start	565	End	965
Name	OJ990601_05.9B09.C47.o1.gp	Method	AAT/GAP
Start	565	End	965
GI	7406_1.R1084	Score	637
Exons	565..965		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	7980	Seq. ID	OJ990601_05.9B09.C47
Gene No.	16810	Strand	+
Start	908	End	1024
Name	OJ990601_05.9B09.C47.o2.gp	Method	AAT/GAP
Start	908	End	1024
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	908..1024		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7980	Seq. ID	OJ990601_05.9B09.C47
Gene No.	16811	Strand	-
Start	574	End	2393
Name	OJ990601_05.9B09.C47.o1.gs	Method	GENSCAN
Start	574	End	2194
GI	none	Score	.91
Exons	574..696, 2025..2142, 2147..2194		

Seq. No.	7980	Seq. ID	OJ990601_05.9B09.C47

Gene No.	16811	Strand	-
Start	574	End	2393
Name	OJ990601_05.9B09.C47.o1.np	Method	AAT/NAP
Start	1908	End	2393
GI	5441880	Score	561
Exons	1908..2142, 2258..2393		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7981	Seq. ID	OJ990601_05.9B09.C48
Gene No.	16812	Strand	-
Start	1	End	3589
Name	OJ990601_05.9B09.C48.o1.np	Method	AAT/NAP
Start	1	End	3471
GI	5441880	Score	2242
Exons	1..167, 412..670, 747..1045, 1632..1969, 2075..2225, 2784..2920, 2991..3169, 3428..3471		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7981	Seq. ID	OJ990601_05.9B09.C48
Gene No.	16812	Strand	-
Start	1	End	3589
Name	OJ990601_05.9B09.C48.o1.gs	Method	GENSCAN
Start	137	End	3589
GI	none	Score	.65
Exons	137..319, 412..670, 747..1045, 1137..1547, 1632..1666, 1722..1889, 1928..2002, 2148..2225, 2664..2861, 3148..3589		

Seq. No.	7981	Seq. ID	OJ990601_05.9B09.C48
Gene No.	16812	Strand	-
Start	1	End	3589
Name	OJ990601_05.9B09.C48.o1.gp	Method	AAT/GAP
Start	420	End	919
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	420..670, 747..919		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	7982	Seq. ID	OJ990601_05.9B09.C49
Gene No.	16813	Strand	-
Start	125	End	209
Name	OJ990601_05.9B09.C49.o1.gs	Method	GENSCAN
Start	125	End	209
GI	none	Score	.55
Exons	125..209		

Seq. No.	7983	Seq. ID	OJ990601_05.9B09.C50
Gene No.	16814	Strand	-
Start	362	End	583
Name	OJ990601_05.9B09.C50.o1.gs	Method	GENSCAN
Start	362	End	583
GI	none	Score	.68
Exons	362..583		

Seq. No.	7984	Seq. ID	OJ990601_05.9B09.C51
Gene No.	16815	Strand	-
Start	286	End	378
Name	OJ990601_05.9B09.C51.o1.gp	Method	AAT/GAP
Start	286	End	378
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	286..378		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7985	Seq. ID	OJ990601_05.9B09.C52
Gene No.	16816	Strand	-
Start	334	End	526
Name	OJ990601_05.9B09.C52.o1.gs	Method	GENSCAN
Start	334	End	526
GI	none	Score	.59
Exons	334..414, 524..526		

Seq. No.	7986	Seq. ID	OJ990901_04.9B08.C1
Gene No.	16817	Strand	-
Start	78	End	313
Name	OJ990901_04.9B08.C1.o1.gs	Method	GENSCAN
Start	78	End	313
GI	none	Score	.67
Exons	78..313		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16818	Strand	+
Start	1	End	5965
Name	OJ990901_04.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	5965
GI	6691191	Score	2567
Exons	1..76, 3036..3086, 3122..5965		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16818	Strand	+
Start	1	End	5965
Name	OJ990901_04.9B08.C2.o1.gs	Method	GENSCAN
Start	135	End	4245
GI	none	Score	.88
Exons	135..297, 1718..1809, 2016..2174, 2544..2886, 2888..3152, 3173..3774, 3956..4245		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16818	Strand	+
Start	1	End	5965
Name	OJ990901_04.9B08.C2.o2.gs	Method	GENSCAN
Start	4959	End	5444
GI	none	Score	.86
Exons	4959..5158, 5252..5444		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16819	Strand	+
Start	12813	End	14171

Name	OJ990901_04.9B08.C2.o3.np	Method	AAT/NAP
Start	12813	End	14171
GI	6815052	Score	124
Exons	12813..12833, 14049..14171		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16820	Strand	+
Start	15022	End	15776
Name	OJ990901_04.9B08.C2.o5.gs	Method	GENSCAN
Start	15022	End	15776
GI	none	Score	.76
Exons	15022..15132, 15360..15776		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16821	Strand	+
Start	19728	End	20335
Name	OJ990901_04.9B08.C2.o6.gs	Method	GENSCAN
Start	19728	End	20335
GI	none	Score	.7
Exons	19728..19867, 19969..20019, 20194..20335		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16822	Strand	+
Start	20782	End	22580
Name	OJ990901_04.9B08.C2.o2.gp	Method	AAT/GAP
Start	20782	End	22580
GI	LIB3432-013-P1-K1-F10	Score	774
Exons	20782..20881, 21949..22043, 22235..22392, 22487..22580		
GI Descrip.	'4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16823	Strand	-
Start	6370	End	6672
Name	OJ990901_04.9B08.C2.o1.gp	Method	AAT/GAP
Start	6370	End	6672
GI	61605_3.R1084	Score	453
Exons	6370..6672		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16824	Strand	-
Start	7461	End	11493
Name	OJ990901_04.9B08.C2.o3.gs	Method	GENSCAN
Start	7461	End	11493
GI	none	Score	.58
Exons	7461..7648, 7750..7783, 7961..8042, 8360..8545, 8690..8710, 8855..8994, 9498..9607, 10862..11108, 11269..11493		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16825	Strand	-
Start	13929	End	14317
Name	OJ990901_04.9B08.C2.o4.gs	Method	GENSCAN
Start	13929	End	14317
GI	none	Score	.87

Exons	13929..14106, 14298..14317		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o3.ts	Method	TBLASTX:Soybean
Start	3237	End	3656
GI	none	Score	225
Exons	3237..3569, 3318..3560, 3341..3565, 3563..3610, 3567..3635, 3630..3656		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o2.tw	Method	TBLASTX:Wheat
Start	3237	End	3626
GI	none	Score	288
Exons	3237..3569, 3240..3551, 3338..3565, 3567..3626		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o6.tw	Method	TBLASTX:Wheat
Start	3734	End	4068
GI	none	Score	40
Exons	3734..3763, 3744..3764, 3767..3967, 3767..3931, 3930..4067, 3931..4068		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o4.ts	Method	TBLASTX:Soybean
Start	3884	End	4137
GI	none	Score	55
Exons	3884..3931, 3925..4137, 3930..4040		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	3925	End	4308
GI	none	Score	262
Exons	3925..4308		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o3.tw	Method	TBLASTX:Wheat
Start	4069	End	4463
GI	none	Score	303
Exons	4069..4344, 4084..4287, 4095..4319, 4310..4453, 4311..4463		
Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	4476	End	4946

GI	none	Score	186
Exons	4476..4676, 4478..4660, 4674..4763, 4743..4946		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o5.ts	Method	TBLASTX:Soybean
Start	4482	End	4688
GI	none	Score	184
Exons	4482..4616, 4482..4598, 4484..4603, 4635..4688		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o1.tc	Method	TBLASTX:Cress
Start	4659	End	5042
GI	none	Score	62
Exons	4659..4736, 4740..5042, 4788..4985		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o2.ts	Method	TBLASTX:Soybean
Start	5037	End	5393
GI	none	Score	292
Exons	5037..5393, 5063..5197, 5240..5392		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o5.tw	Method	TBLASTX:Wheat
Start	5064	End	5396
GI	none	Score	261
Exons	5064..5396, 5069..5281		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	5397	End	5811
GI	none	Score	302
Exons	5397..5531, 5398..5775, 5398..5751, 5568..5774, 5785..5811		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o4.tw	Method	TBLASTX:Wheat
Start	5398	End	5778
GI	none	Score	299
Exons	5398..5778, 5454..5531		

Seq. No.	7987	Seq. ID	OJ990901_04.9B08.C2
Gene No.	16826	Strand	-
Start	23378	End	23463
Name	OJ990901_04.9B08.C2.o7.gs	Method	GENSCAN
Start	23378	End	23463
GI	none	Score	.62

Exons	23378..23463		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o3.tm	Method	TBLASTX:Maize
Start	1409	End	1707
GI	none	Score	114
Exons	1409..1567, 1415..1639, 1420..1707		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o2.ts	Method	TBLASTX:Soybean
Start	1417	End	1641
GI	none	Score	60
Exons	1417..1467, 1417..1641, 1421..1630		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.tc	Method	TBLASTX:Cress
Start	1418	End	1951
GI	none	Score	61
Exons	1418..1621, 1420..1575, 1420..1935, 1421..1951		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.gs	Method	GENSCAN
Start	1420	End	4957
GI	none	Score	.62
Exons	1420..2463, 3639..4754, 4817..4957		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.np	Method	AAT/NAP
Start	1423	End	4567
GI	5541680	Score	1033
Exons	1423..2463, 3639..4567		
GI Descrip.	(AL096859) putative protein [Arabidopsis thaliana]		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	1644	End	2169
GI	none	Score	67
Exons	1644..1805, 1645..2169, 1648..1785, 1673..1921, 1965..2036		
Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o2.np	Method	AAT/NAP
Start	1654	End	4438
GI	5923669	Score	634

Exons	1654..2463, 3639..4438		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	1711	End	4220
GI	none	Score	166
Exons	1711..2463, 1823..2461, 2176..2250, 2218..2466, 2263..2460, 3747..3833, 3795..3833, 3915..3947, 3996..4028, 4056..4220, 4169..4183		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o2.tc	Method	TBLASTX:Cress
Start	2002	End	4175
GI	none	Score	124
Exons	2002..2385, 2003..2386, 3735..3836, 4059..4175		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	2114	End	2457
GI	none	Score	61
Exons	2114..2245, 2116..2457, 2149..2295		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o3.ts	Method	TBLASTX:Soybean
Start	2197	End	4235
GI	none	Score	65
Exons	2197..2448, 3732..3836, 4059..4235		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o2.tm	Method	TBLASTX:Maize
Start	2851	End	3270
GI	none	Score	104
Exons	2851..3270, 2870..3262		

Seq. No.	7988	Seq. ID	OJ990901_04.9B08.C3
Gene No.	16827	Strand	-
Start	1420	End	4957
Name	OJ990901_04.9B08.C3.o2.tw	Method	TBLASTX:Wheat
Start	2965	End	3270
GI	none	Score	168
Exons	2965..3015, 3127..3270		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16828	Strand	+
Start	8890	End	9271
Name	OJ990901_04.9B08.C4.o2.gp	Method	AAT/GAP

Start	8890	End	9271
GI	uC-osflcyp033a04b1	Score	667
Exons	8890..9271		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16829	Strand	+
Start	22492	End	27855
Name	OJ990901_04.9B08.C4.o7.np	Method	AAT/NAP
Start	22492	End	27855
GI	5852180	Score	443
Exons	22492..22580, 26089..26145, 27126..27244, 27296..27855		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16830	Strand	-
Start	834	End	10493
Name	OJ990901_04.9B08.C4.o1.gs	Method	GENSCAN
Start	834	End	10493
GI	none	Score	.42
Exons	834..995, 1384..1637, 1701..2143, 2201..2223, 2339..2440, 2487..2594, 2687..2948, 3053..3351, 3432..3550, 3623..3845, 3931..4297, 4373..4446, 4931..5892, 6217..6831, 7596..8150, 8822..9023, 10137..10493		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16830	Strand	-
Start	834	End	10493
Name	OJ990901_04.9B08.C4.o1.np	Method	AAT/NAP
Start	1687	End	10382
GI	5441880	Score	2725
Exons	1687..1896, 2370..2614, 2687..2948, 3053..3351, 3931..4264, 4373..4512, 5114..5440, 5699..5730, 6175..6787, 9984..10382		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16830	Strand	-
Start	834	End	10493
Name	OJ990901_04.9B08.C4.o1.gp	Method	AAT/GAP
Start	2008	End	4258
GI	LIB3433-020-P1-K1-A6	Score	758
Exons	2008..2394, 4216..4258		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16831	Strand	-
Start	11466	End	11521
Name	OJ990901_04.9B08.C4.o3.gp	Method	AAT/GAP
Start	11466	End	11521
GI	LIB3431-030-P1-N1-G8	Score	84
Exons	11466..11521		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o6.tw	Method	TBLASTX:Wheat
Start	4024	End	4206
GI	none	Score	108
Exons	4024..4143, 4025..4144, 4142..4192, 4153..4206		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o2.tw	Method	TBLASTX:Wheat
Start	5948	End	6325
GI	none	Score	66
Exons	5948..6121, 5959..6099, 6054..6122, 6146..6322, 6171..6323, 6176..6325		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	6023	End	6619
GI	none	Score	228
Exons	6023..6094, 6141..6614, 6152..6619		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o2.np	Method	AAT/NAP
Start	14646	End	27686
GI	4544372	Score	636
Exons	14646..15464, 16867..17819, 27567..27686		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o2.ts	Method	TBLASTX:Soybean
Start	14652	End	14885
GI	none	Score	43
Exons	14652..14885, 14653..14685, 14755..14841		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o3.tw	Method	TBLASTX:Wheat
Start	14661	End	15077
GI	none	Score	200
Exons	14661..15077		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o4.tw	Method	TBLASTX:Wheat
Start	15081	End	20448

GI	none	Score	129
Exons	15081..15395, 20268..20444, 20272..20448		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o3.ts	Method	TBLASTX:Soybean
Start	15165	End	15449
GI	none	Score	196
Exons	15165..15449		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o5.tw	Method	TBLASTX:Wheat
Start	17562	End	17924
GI	none	Score	188
Exons	17562..17924		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	17697	End	18041
GI	none	Score	68
Exons	17697..17939, 17707..17814, 17970..18041		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o3.np	Method	AAT/NAP
Start	18772	End	19343
GI	5852180	Score	361
Exons	18772..19170, 19222..19343		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o4.np	Method	AAT/NAP
Start	19797	End	25362
GI	4680179	Score	856
Exons	19797..20443, 25287..25362		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	19842	End	23828
GI	none	Score	177
Exons	19842..20264, 19906..20220, 23469..23828, 23521..23814		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o5.gs	Method	GENSCAN

Start	20013	End	26252
GI	none	Score	.5
Exons	20013..20461, 22305..22407, 22430..22642, 22663..22873, 23482..23670, 24302..25107, 26208..26252		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	20022	End	23846
GI	none	Score	93
Exons	20022..20444, 20038..20217, 20046..20300, 20272..20451, 20281..20448, 23664..23846, 23665..23811		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o5.np	Method	AAT/NAP
Start	23424	End	23830
GI	4680179	Score	542
Exons	23424..23830		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o4.gp	Method	AAT/GAP
Start	25995	End	26376
GI	uC-osf1cyp033a04b1	Score	647
Exons	25995..26376		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7989	Seq. ID	OJ990901_04.9B08.C4
Gene No.	16832	Strand	-
Start	14646	End	27700
Name	OJ990901_04.9B08.C4.o6.gs	Method	GENSCAN
Start	26805	End	27700
GI	none	Score	.71
Exons	26805..26980, 27186..27357, 27450..27700		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.np	Method	AAT/NAP
Start	1	End	2383
GI	4206306	Score	678
Exons	1..36, 955..2383		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.gs	Method	GENSCAN
Start	376	End	2491
GI	none	Score	.54
Exons	376..509, 1396..1557, 1567..1704, 1753..2491		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.gp	Method	AAT/GAP
Start	845	End	1604
GI	5455576	Score	1082
Exons	845..875, 946..1604		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	1184	End	1645
GI	none	Score	55
Exons	1184..1363, 1224..1322, 1367..1645, 1407..1610		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o2.tw	Method	TBLASTX:Wheat
Start	1262	End	1642
GI	none	Score	50
Exons	1262..1363, 1266..1361, 1340..1642, 1499..1588		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	1331	End	1792
GI	none	Score	308
Exons	1331..1792, 1332..1643, 1703..1792		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o1.tw	Method	TBLASTX:Wheat
Start	1661	End	2068
GI	none	Score	68
Exons	1661..2068, 1663..1746, 1712..1942, 1728..2048		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	1793	End	2008
GI	none	Score	209
Exons	1793..2008, 1794..2006		

Seq. No.	7990	Seq. ID	OJ990901_04.9B08.C5
Gene No.	16833	Strand	-
Start	1	End	2491
Name	OJ990901_04.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	1862	End	2230
GI	none	Score	133

Exons	1862..1996, 2012..2230		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16834	Strand	+
Start	146	End	286
Name	OJ990901_04.9B08.C7.o1.gs	Method	GENSCAN
Start	146	End	286
GI	none	Score	.83
Exons	146..286		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16835	Strand	+
Start	472	End	3677
Name	OJ990901_04.9B08.C7.o1.np	Method	AAT/NAP
Start	472	End	3677
GI	5852180	Score	528
Exons	472..589, 641..1058, 3584..3677		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16836	Strand	+
Start	4685	End	5727
Name	OJ990901_04.9B08.C7.o4.np	Method	AAT/NAP
Start	4685	End	5727
GI	6815053	Score	334
Exons	4685..4857, 5257..5403, 5468..5727		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16837	Strand	-
Start	559	End	7336
Name	OJ990901_04.9B08.C7.o2.np	Method	AAT/NAP
Start	472	End	1037
GI	1076205	Score	166
Exons	472..1037		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16837	Strand	-
Start	559	End	7336
Name	OJ990901_04.9B08.C7.o2.gs	Method	GENSCAN
Start	559	End	7336
GI	none	Score	.71
Exons	559..1035, 1854..1946, 2116..2303, 2321..2542, 2744..3074, 3896..3930, 4319..4492, 5368..5458, 6571..6604, 7164..7197, 7288..7336		
Seq. No.	7991	Seq. ID	OJ990901_04.9B08.C7
Gene No.	16837	Strand	-
Start	559	End	7336
Name	OJ990901_04.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	2901	End	3176
GI	none	Score	55

Exons	2901..3026, 2905..3021, 3042..3176, 3052..3159		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16838	Strand	+
Start	86	End	425
Name	OJ990901_04.9B08.C8.o1.gs	Method	GENSCAN
Start	86	End	425
GI	none	Score	.43
Exons	86..425		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o1.np	Method	AAT/NAP
Start	983	End	3954
GI	4680179	Score	4388
Exons	983..3954		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o6.tw	Method	TBLASTX:Wheat
Start	1028	End	1361
GI	none	Score	122
Exons	1028..1360, 1080..1361		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o1.tm	Method	TBLASTX:Maize
Start	1223	End	1808
GI	none	Score	99
Exons	1223..1648, 1224..1421, 1253..1489, 1476..1649, 1644..1793, 1646..1807, 1653..1808		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o1.tw	Method	TBLASTX:Wheat
Start	1361	End	1987
GI	none	Score	44
Exons	1361..1987, 1362..1421, 1479..1928, 1640..1984		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o3.tm	Method	TBLASTX:Maize
Start	1856	End	2148
GI	none	Score	296
Exons	1856..2146, 1860..2147, 1861..2148		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o2.ts	Method	TBLASTX:Soybean
Start	1946	End	2206

GI	none	Score	185
Exons	1946..2206, 1947..2195		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o1.tc	Method	TBLASTX:Cress
Start	1970	End	2296
GI	none	Score	87
Exons	1970..2113, 1971..2111, 2114..2296		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o2.tw	Method	TBLASTX:Wheat
Start	1994	End	2533
GI	none	Score	258
Exons	1994..2533, 1998..2249, 2301..2351		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o2.tm	Method	TBLASTX:Maize
Start	2561	End	2914
GI	none	Score	212
Exons	2561..2914, 2568..2909		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o3.tw	Method	TBLASTX:Wheat
Start	2561	End	2986
GI	none	Score	317
Exons	2561..2986, 2568..2984		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o3.ts	Method	TBLASTX:Soybean
Start	2732	End	2980
GI	none	Score	206
Exons	2732..2980		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o5.tm	Method	TBLASTX:Maize
Start	2921	End	3253
GI	none	Score	137
Exons	2921..3253, 2922..3200		

Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o5.tw	Method	TBLASTX:Wheat
Start	2987	End	3250
GI	none	Score	236

Exons	2987..3250, 2988..3245		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o1.ts	Method	TBLASTX:Soybean
Start	3002	End	3397
GI	none	Score	191
Exons	3002..3253, 3012..3245, 3308..3361, 3318..3359, 3365..3397, 3365..3397		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o4.tm	Method	TBLASTX:Maize
Start	3308	End	3752
GI	none	Score	110
Exons	3308..3751, 3318..3752		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o4.tw	Method	TBLASTX:Wheat
Start	3338	End	3821
GI	none	Score	237
Exons	3338..3820, 3341..3817, 3381..3821		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o4.ts	Method	TBLASTX:Soybean
Start	3470	End	3784
GI	none	Score	198
Exons	3470..3784		
Seq. No.	7992	Seq. ID	OJ990901_04.9B08.C8
Gene No.	16839	Strand	-
Start	983	End	3954
Name	OJ990901_04.9B08.C8.o6.tm	Method	TBLASTX:Maize
Start	3755	End	3949
GI	none	Score	115
Exons	3755..3949, 3756..3869		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16840	Strand	-
Start	1	End	814
Name	OJ990901_04.9B08.C9.o1.np	Method	AAT/NAP
Start	1	End	814
GI	4680179	Score	719
Exons	1..814		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16840	Strand	-
Start	1	End	814
Name	OJ990901_04.9B08.C9.o1.gs	Method	GENSCAN
Start	74	End	750

GI	none	Score	.68
Exons	74..750		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16841	Strand	-
Start	1015	End	1802
Name	OJ990901_04.9B08.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	343
GI	none	Score	49
Exons	1..342, 126..194, 170..343		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16841	Strand	-
Start	1015	End	1802
Name	OJ990901_04.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	37	End	342
GI	none	Score	240
Exons	37..342		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16841	Strand	-
Start	1015	End	1802
Name	OJ990901_04.9B08.C9.o2.tw	Method	TBLASTX:Wheat
Start	394	End	588
GI	none	Score	130
Exons	394..588, 395..574		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16841	Strand	-
Start	1015	End	1802
Name	OJ990901_04.9B08.C9.o2.gs	Method	GENSCAN
Start	1015	End	1802
GI	none	Score	.9
Exons	1015..1448, 1466..1802		
Seq. No.	7993	Seq. ID	OJ990901_04.9B08.C9
Gene No.	16841	Strand	-
Start	1015	End	1802
Name	OJ990901_04.9B08.C9.o2.np	Method	AAT/NAP
Start	1018	End	1802
GI	4512231	Score	1243
Exons	1018..1802		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16842	Strand	+
Start	4219	End	5766
Name	OJ990901_05.9B10.C1.o2.gs	Method	GENSCAN
Start	4219	End	5766
GI	none	Score	.83
Exons	4219..4369, 4429..4562, 5102..5210, 5429..5766		
Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16843	Strand	+
Start	6481	End	8890
Name	OJ990901_05.9B10.C1.o3.gs	Method	GENSCAN
Start	6481	End	8890

GI	none	Score	.46
Exons	6481..6579, 8406..8532, 8754..8890		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.np	Method	AAT/NAP
Start	43	End	5053
GI	6623973	Score	2581
Exons	43..3230, 3261..3762, 5017..5053		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.tm	Method	TBLASTX:Maize
Start	74	End	477
GI	none	Score	321
Exons	74..154, 76..477, 77..475		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o3.ts	Method	TBLASTX:Soybean
Start	79	End	453
GI	none	Score	164
Exons	79..168, 170..451, 178..453		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o5.tw	Method	TBLASTX:Wheat
Start	79	End	514
GI	none	Score	59
Exons	79..279, 139..270, 298..501, 323..514		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o2.tc	Method	TBLASTX:Cress
Start	103	End	654
GI	none	Score	63
Exons	103..264, 280..426, 427..531, 526..654		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.gs	Method	GENSCAN
Start	151	End	3910
GI	none	Score	.85
Exons	151..528, 789..1325, 1433..2907, 3023..3455, 3643..3754, 3756..3910		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053

Name	OJ990901_05.9B10.C1.o2.tm	Method	TBLASTX:Maize
Start	533	End	978
GI	none	Score	97
Exons	533..679, 538..678, 544..690, 675..842, 682..843, 816..977, 886..978		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o2.tw	Method	TBLASTX:Wheat
Start	628	End	1247
GI	none	Score	41
Exons	628..678, 675..1061, 679..810, 777..932, 871..1062, 1098..1247		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o2.np	Method	AAT/NAP
Start	870	End	4333
GI	4982475	Score	1335
Exons	870..1332, 1617..1717, 1934..3204, 3474..3758, 4090..4333		
GI Descrip.	(AF069441) putative polyprotein [Arabidopsis thaliana]		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o4.tm	Method	TBLASTX:Maize
Start	981	End	1419
GI	none	Score	140
Exons	981..1409, 1114..1419		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1385
GI	none	Score	97
Exons	996..1385, 1041..1250, 1042..1374		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.gp	Method	AAT/GAP
Start	1008	End	1250
GI	1621494	Score	438
Exons	1008..1250		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o3.tc	Method	TBLASTX:Cress
Start	1203	End	1409
GI	none	Score	71
Exons	1203..1409, 1285..1404, 1338..1409		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.tw	Method	TBLASTX:Wheat
Start	1249	End	1686
GI	none	Score	306
Exons	1249..1488, 1250..1477, 1251..1487, 1470..1685, 1472..1684, 1498..1686		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o1.tc	Method	TBLASTX:Cress
Start	1758	End	2332
GI	none	Score	74
Exons	1758..2024, 1856..2032, 1865..2032, 2039..2332		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o2.ts	Method	TBLASTX:Soybean
Start	1898	End	2350
GI	none	Score	119
Exons	1898..2035, 2021..2350, 2091..2321, 2096..2341		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o3.tw	Method	TBLASTX:Wheat
Start	1961	End	2570
GI	none	Score	143
Exons	1961..2023, 2040..2120, 2120..2569, 2160..2570		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o3.tm	Method	TBLASTX:Maize
Start	2111	End	2584
GI	none	Score	106
Exons	2111..2584, 2112..2390, 2231..2395		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o2.gp	Method	AAT/GAP
Start	2297	End	2733
GI	2428449	Score	822
Exons	2297..2733		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	7994	Seq. ID	OJ990901_05.9B10.C1
Gene No.	16844	Strand	-
Start	43	End	5053
Name	OJ990901_05.9B10.C1.o4.tw	Method	TBLASTX:Wheat
Start	3273	End	3706

GI	none	Score	35
Exons	3273..3341, 3433..3471, 3434..3460, 3463..3573, 3464..3556, 3469..3570, 3553..3705, 3563..3706		

Seq. No.	7995	Seq. ID	OJ990901_05.9B10.C3
Gene No.	16845	Strand	-
Start	20	End	1083
Name	OJ990901_05.9B10.C3.o1.gp	Method	AAT/GAP
Start	20	End	450
GI	33357_1.R1084	Score	818
Exons	20..450		
GI Descrip.	'4262154/gb|AAD14454| 5.0e-42 (AC005275) putative protein phosphatase regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	7995	Seq. ID	OJ990901_05.9B10.C3
Gene No.	16845	Strand	-
Start	20	End	1083
Name	OJ990901_05.9B10.C3.o1.gs	Method	GENSCAN
Start	63	End	853
GI	none	Score	.42
Exons	63..853		

Seq. No.	7995	Seq. ID	OJ990901_05.9B10.C3
Gene No.	16845	Strand	-
Start	20	End	1083
Name	OJ990901_05.9B10.C3.o1.np	Method	AAT/NAP
Start	170	End	1083
GI	4263655	Score	69
Exons	170..580, 1059..1083		
GI Descrip.	(AC006136) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	7996	Seq. ID	OJ990901_05.9B10.C5
Gene No.	16846	Strand	+
Start	122	End	136
Name	OJ990901_05.9B10.C5.o1.gs	Method	GENSCAN
Start	122	End	136
GI	none	Score	.6
Exons	122..136		

Seq. No.	7997	Seq. ID	OJ990901_05.9B10.C6
Gene No.	16847	Strand	+
Start	585	End	669
Name	OJ990901_05.9B10.C6.o1.gp	Method	AAT/GAP
Start	585	End	669
GI	15870_2.R1084	Score	136
Exons	585..669		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	7997	Seq. ID	OJ990901_05.9B10.C6
Gene No.	16848	Strand	-
Start	1	End	508
Name	OJ990901_05.9B10.C6.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5001454	Score	152
Exons	1..508		

GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	7998	Seq. ID	OJ990901_05.9B10.C9
Gene No.	16849	Strand	+
Start	1	End	726
Name	OJ990901_05.9B10.C9.o1.np	Method	AAT/NAP
Start	1	End	726
GI	6691716	Score	421
Exons	1..29, 102..203, 354..468, 540..726		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	7998	Seq. ID	OJ990901_05.9B10.C9
Gene No.	16849	Strand	+
Start	1	End	726
Name	OJ990901_05.9B10.C9.o1.gs	Method	GENSCAN
Start	49	End	468
GI	none	Score	.87
Exons	49..291, 364..468		
Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16850	Strand	-
Start	1	End	386
Name	OJ990901_05.9B10.C10.o1.np	Method	AAT/NAP
Start	1	End	386
GI	5902445	Score	639
Exons	1..386		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16850	Strand	-
Start	1	End	386
Name	OJ990901_05.9B10.C10.o1.gs	Method	GENSCAN
Start	96	End	386
GI	none	Score	.76
Exons	96..386		
Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16851	Strand	-
Start	453	End	553
Name	OJ990901_05.9B10.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	441
GI	none	Score	255
Exons	1..441, 9..440		
Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16851	Strand	-
Start	453	End	553
Name	OJ990901_05.9B10.C10.o1.tm	Method	TBLASTX:Maize
Start	9	End	311
GI	none	Score	167
Exons	9..311, 10..270		
Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16851	Strand	-

Start	453	End	553
Name	OJ990901_05.9B10.C10.o1.ts	Method	TBLASTX:Soybean
Start	36	End	401
GI	none	Score	121
Exons	36..170, 180..401		

Seq. No.	7999	Seq. ID	OJ990901_05.9B10.C10
Gene No.	16851	Strand	-
Start	453	End	553
Name	OJ990901_05.9B10.C10.o2.np	Method	AAT/NAP
Start	453	End	553
GI	5902444	Score	116
Exons	453..553		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16852	Strand	+
Start	2820	End	5161
Name	OJ990901_05.9B10.C11.o2.np	Method	AAT/NAP
Start	2820	End	5161
GI	2244874	Score	85
Exons	2820..3076, 3137..3274, 4063..4220, 5143..5161		
GI Descrip.	(Z97338) cell wall protein like [Arabidopsis thaliana]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16853	Strand	+
Start	8773	End	22648
Name	OJ990901_05.9B10.C11.o4.gs	Method	GENSCAN
Start	8773	End	22147
GI	none	Score	.54
Exons	8773..8877, 10038..10082, 11072..11275, 11451..11521, 12782..12834, 13341..13403, 15022..15357, 15923..16127, 17774..17861, 20442..21410, 21555..21784, 21976..22147		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16853	Strand	+
Start	8773	End	22648
Name	OJ990901_05.9B10.C11.o8.np	Method	AAT/NAP
Start	20523	End	22648
GI	6691716	Score	1982
Exons	20523..21404, 21600..21784, 21867..21977, 22054..22229, 22311..22495, 22568..22648		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16854	Strand	-
Start	132	End	1428
Name	OJ990901_05.9B10.C11.o1.np	Method	AAT/NAP
Start	132	End	1428
GI	1084460	Score	155
Exons	132..280, 1165..1428		
GI Descrip.	RCc2 protein - rice		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16854	Strand	-

Start	132	End	1428
Name	OJ990901_05.9B10.C11.o1.gs	Method	GENSCAN
Start	1174	End	1428
GI	none	Score	.82
Exons	1174..1428		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16855	Strand	-
Start	2498	End	3242
Name	OJ990901_05.9B10.C11.o2.gs	Method	GENSCAN
Start	2498	End	3242
GI	none	Score	.91
Exons	2498..2648, 3097..3242		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16856	Strand	-
Start	5566	End	8957
Name	OJ990901_05.9B10.C11.o4.np	Method	AAT/NAP
Start	5566	End	7420
GI	5852093	Score	66
Exons	5566..5667, 7314..7420		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16856	Strand	-
Start	5566	End	8957
Name	OJ990901_05.9B10.C11.o3.np	Method	AAT/NAP
Start	6065	End	6454
GI	1084462	Score	441
Exons	6065..6454		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16856	Strand	-
Start	5566	End	8957
Name	OJ990901_05.9B10.C11.o5.np	Method	AAT/NAP
Start	6609	End	8957
GI	6539588	Score	137
Exons	6609..6697, 7956..8243, 8931..8957		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16857	Strand	-
Start	15018	End	17979
Name	OJ990901_05.9B10.C11.o6.np	Method	AAT/NAP
Start	15018	End	17979
GI	1084462	Score	350
Exons	15018..15280, 15954..15989, 17844..17979		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16858	Strand	-
Start	18644	End	18778
Name	OJ990901_05.9B10.C11.o1.tc	Method	TBLASTX:Cress
Start	1195	End	18136

GI	none	Score	107
Exons	1195..1266, 6062..6229, 6072..6206, 6209..6328, 6344..6385, 15015..15095, 15096..15185, 15100..15162, 15174..15299, 17999..18061, 18050..18136		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16858	Strand	-
Start	18644	End	18778
Name	OJ990901_05.9B10.C11.o1.ts	Method	TBLASTX:Soybean
Start	1213	End	15267
GI	none	Score	99
Exons	1213..1263, 6065..6223, 6072..6221, 6218..6310, 6263..6301, 15018..15095, 15094..15177, 15096..15179, 15174..15266, 15184..15267		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16858	Strand	-
Start	18644	End	18778
Name	OJ990901_05.9B10.C11.o1.tw	Method	TBLASTX:Wheat
Start	1216	End	15290
GI	none	Score	56
Exons	1216..1269, 6057..6140, 6059..6142, 6140..6223, 6150..6230, 6266..6457, 15015..15179, 15015..15179, 15022..15273, 15164..15196, 15219..15290		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16858	Strand	-
Start	18644	End	18778
Name	OJ990901_05.9B10.C11.o1.tm	Method	TBLASTX:Maize
Start	1219	End	15332
GI	none	Score	117
Exons	1219..1287, 6061..6222, 6065..6223, 6065..6229, 6066..6230, 6266..6343, 6266..6352, 6298..6366, 6314..6457, 15018..15095, 15018..15095, 15094..15186, 15096..15185, 15222..15308, 15223..15309, 15291..15332		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16858	Strand	-
Start	18644	End	18778
Name	OJ990901_05.9B10.C11.o7.np	Method	AAT/NAP
Start	18644	End	18778
GI	6716785	Score	140
Exons	18644..18778		
GI Descrip.	(AF220539) 40s ribosomal protein S23 [Euphorbia esula]		

Seq. No.	8000	Seq. ID	OJ990901_05.9B10.C11
Gene No.	16859	Strand	
Start	20651	End	20897
Name	OJ990901_05.9B10.C11.o2.tw	Method	TBLASTX:Wheat
Start	20651	End	20897
GI	none	Score	192
Exons	20651..20896, 20652..20897		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16860	Strand	+
Start	398	End	706
Name	OJ990901_05.9B10.C12.o1.gs	Method	GENSCAN

Start	398	End	706
GI	none	Score	.78
Exons	398..706		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16861	Strand	+
Start	10188	End	17818
Name	OJ990901_05.9B10.C12.o4.gs	Method	GENSCAN
Start	10188	End	17818
GI	none	Score	.4
Exons	10188..10247, 10834..10855, 10861..11034, 12142..12975, 13131..13406, 13619..13803, 14295..14478, 14518..15934, 16827..17007, 17591..17818		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16861	Strand	+
Start	10188	End	17818
Name	OJ990901_05.9B10.C12.o1.gp	Method	AAT/GAP
Start	10667	End	11121
GI	25792_1.R1084	Score	811
Exons	10667..11121		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16861	Strand	+
Start	10188	End	17818
Name	OJ990901_05.9B10.C12.o2.np	Method	AAT/NAP
Start	12135	End	16914
GI	6705984	Score	7809
Exons	12135..16914		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16861	Strand	+
Start	10188	End	17818
Name	OJ990901_05.9B10.C12.o2.gp	Method	AAT/GAP
Start	16873	End	17252
GI	2312718	Score	684
Exons	16873..17252		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16862	Strand	-
Start	1	End	9375
Name	OJ990901_05.9B10.C12.o1.np	Method	AAT/NAP
Start	1	End	8023
GI	5922631	Score	5890
Exons	1..2517, 3124..3224, 6207..6736, 6764..7059, 7186..7336, 7376..8023		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon		

Cinful-1. (AF049110) [Oryza sativ

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16862	Strand	-
Start	1	End	9375
Name	OJ990901_05.9B10.C12.o3.gs	Method	GENSCAN
Start	6122	End	9375
GI	none	Score	.76
Exons	6122..7045, 7130..7836, 8665..8870, 9332..9375		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o9.tm	Method	TBLASTX:Maize
Start	11	End	265
GI	none	Score	100
Exons	11..112, 12..113, 92..265, 93..152		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o10.tw	Method	TBLASTX:Wheat
Start	17	End	571
GI	none	Score	82
Exons	17..109, 95..571, 294..425, 477..566		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o11.tm	Method	TBLASTX:Maize
Start	356	End	629
GI	none	Score	45
Exons	356..442, 455..535, 465..539, 530..628, 531..629		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o8.tw	Method	TBLASTX:Wheat
Start	573	End	955
GI	none	Score	196
Exons	573..950, 575..955		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o3.tm	Method	TBLASTX:Maize
Start	767	End	1115
GI	none	Score	221
Exons	767..1045, 768..1046, 1050..1115		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o9.tw	Method	TBLASTX:Wheat
Start	1400	End	1822
GI	none	Score	212
Exons	1400..1822, 1476..1817		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o5.ts	Method	TBLASTX:Soybean
Start	1443	End	1831
GI	none	Score	146
Exons	1443..1823, 1445..1831		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o12.tw	Method	TBLASTX:Wheat
Start	1823	End	2107
GI	none	Score	48
Exons	1823..1918, 1826..2107, 2000..2104		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o7.tw	Method	TBLASTX:Wheat
Start	2112	End	15260
GI	none	Score	279
Exons	2112..2492, 2129..2536, 2130..2417, 2150..2536, 14844..15260		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o2.tm	Method	TBLASTX:Maize
Start	2153	End	15446
GI	none	Score	387
Exons	2153..2458, 14943..15446, 14984..15364		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o1.ts	Method	TBLASTX:Soybean
Start	2195	End	15182
GI	none	Score	338
Exons	2195..2479, 14810..14863, 14823..15182, 14942..15181		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o4.tm	Method	TBLASTX:Maize
Start	2588	End	14900
GI	none	Score	384
Exons	2588..2866, 14433..14900, 14645..14863		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o4.tw	Method	TBLASTX:Wheat
Start	2651	End	14711
GI	none	Score	260
Exons	2651..3106, 2652..3107, 14511..14711		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o7.ts	Method	TBLASTX:Soybean
Start	2702	End	14675
GI	none	Score	76
Exons	2702..2836, 2846..3067, 14541..14675		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o11.tw	Method	TBLASTX:Wheat
Start	6332	End	6715
GI	none	Score	151
Exons	6332..6715, 6348..6590		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o13.tw	Method	TBLASTX:Wheat
Start	7370	End	7765
GI	none	Score	254
Exons	7370..7765		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o3.tw	Method	TBLASTX:Wheat
Start	12576	End	13150
GI	none	Score	192
Exons	12576..12782, 12602..12757, 12618..12764, 12791..13075, 12795..13124, 12804..13103, 13076..13150		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o8.tm	Method	TBLASTX:Maize
Start	12579	End	12791
GI	none	Score	246
Exons	12579..12791, 12581..12790		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o4.ts	Method	TBLASTX:Soybean
Start	12623	End	13022
GI	none	Score	135
Exons	12623..12757, 12624..12764, 12800..13009, 12801..13022		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o5.tw	Method	TBLASTX:Wheat
Start	13532	End	14043
GI	none	Score	147
Exons	13532..13660, 13534..13659, 13660..13830, 13662..13817, 13823..14008, 13837..14043, 13847..13993, 13851..14003		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o3.ts	Method	TBLASTX:Soybean
Start	13786	End	14028
GI	none	Score	271
Exons	13786..14019, 13791..13967, 13795..14028		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o6.tm	Method	TBLASTX:Maize
Start	13786	End	14041
GI	none	Score	278
Exons	13786..14019, 13791..14000, 13795..14028, 13820..14041		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o14.tw	Method	TBLASTX:Wheat
Start	14081	End	14318
GI	none	Score	216
Exons	14081..14314, 14088..14318, 14136..14318		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o7.tm	Method	TBLASTX:Maize
Start	14160	End	14408
GI	none	Score	86
Exons	14160..14276, 14259..14408, 14267..14407		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o2.ts	Method	TBLASTX:Soybean
Start	15210	End	15463
GI	none	Score	331
Exons	15210..15461, 15210..15446, 15233..15463, 15263..15463		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o1.tw	Method	TBLASTX:Wheat
Start	15383	End	15809
GI	none	Score	692
Exons	15383..15808, 15384..15809		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o6.ts	Method	TBLASTX:Soybean
Start	15558	End	15800
GI	none	Score	180
Exons	15558..15731, 15560..15724, 15744..15800		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o10.tm	Method	TBLASTX:Maize
Start	15588	End	15752
GI	none	Score	206
Exons	15588..15752, 15590..15751, 15594..15752		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o1.tc	Method	TBLASTX:Cress
Start	15755	End	16124
GI	none	Score	447
Exons	15755..16123, 15762..16124		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o1.tm	Method	TBLASTX:Maize
Start	15842	End	16191
GI	none	Score	511
Exons	15842..16186, 15843..16187, 15853..16188, 16027..16191		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o6.tw	Method	TBLASTX:Wheat
Start	15936	End	16295
GI	none	Score	418
Exons	15936..16295, 15941..16285, 15978..16289		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o2.tw	Method	TBLASTX:Wheat
Start	16326	End	16725
GI	none	Score	82
Exons	16326..16394, 16327..16395, 16328..16390, 16350..16394, 16371..16718, 16392..16697, 16393..16725, 16393..16719, 16394..16606, 16508..16717		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o5.tm	Method	TBLASTX:Maize
Start	16644	End	16890
GI	none	Score	345
Exons	16644..16859, 16645..16890, 16645..16890		

Seq. No.	8001	Seq. ID	OJ990901_05.9B10.C12
Gene No.	16863	Strand	-
Start	17424	End	17767
Name	OJ990901_05.9B10.C12.o3.gp	Method	AAT/GAP
Start	17424	End	17767
GI	25792_1.R1084	Score	628
Exons	17424..17767		

GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16864	Strand	+
Start	379	End	3718
Name	OJ990901_05.9B10.C13.o1.np	Method	AAT/NAP
Start	379	End	3718
GI	4680203	Score	1419
Exons	379..1922, 1987..2112, 2269..2475, 2752..3718		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16864	Strand	+
Start	379	End	3718
Name	OJ990901_05.9B10.C13.o1.gs	Method	GENSCAN
Start	489	End	3579
GI	none	Score	.46
Exons	489..859, 977..1539, 1702..1898, 1915..3161, 3195..3305, 3420..3579		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o2.tw	Method	TBLASTX:Wheat
Start	828	End	1412
GI	none	Score	221
Exons	828..1118, 950..1138, 1167..1286, 1169..1273, 1173..1292, 1192..1293, 1284..1412		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1427
GI	none	Score	102
Exons	996..1160, 1001..1123, 1187..1426, 1188..1427		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o2.tc	Method	TBLASTX:Cress
Start	1155	End	1508
GI	none	Score	287
Exons	1155..1508, 1242..1412		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o2.tm	Method	TBLASTX:Maize
Start	1250	End	1487
GI	none	Score	71
Exons	1250..1471, 1277..1462, 1281..1487, 1284..1487		
Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674

Name	OJ990901_05.9B10.C13.o3.tw	Method	TBLASTX:Wheat
Start	1412	End	1595
GI	none	Score	204
Exons	1412..1594, 1413..1595		

Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o1.tw	Method	TBLASTX:Wheat
Start	2359	End	3561
GI	none	Score	556
Exons	2359..3114, 2604..2888, 3093..3266, 3127..3282, 3270..3374, 3271..3375, 3388..3492, 3393..3491, 3499..3561		

Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o1.tm	Method	TBLASTX:Maize
Start	2403	End	2718
GI	none	Score	398
Exons	2403..2714, 2404..2718		

Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o1.tc	Method	TBLASTX:Cress
Start	2649	End	3072
GI	none	Score	325
Exons	2649..2888, 2650..3072		

Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o3.tm	Method	TBLASTX:Maize
Start	2968	End	3263
GI	none	Score	159
Exons	2968..3138, 3142..3261, 3160..3249, 3170..3259, 3171..3263		

Seq. No.	8002	Seq. ID	OJ990901_05.9B10.C13
Gene No.	16865	Strand	-
Start	4317	End	4674
Name	OJ990901_05.9B10.C13.o2.gs	Method	GENSCAN
Start	4317	End	4674
GI	none	Score	.69
Exons	4317..4493, 4570..4674		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16866	Strand	+
Start	108	End	4575
Name	OJ990901_05.9B10.C14.o1.gs	Method	GENSCAN
Start	108	End	4575
GI	none	Score	.62
Exons	108..271, 1077..1328, 1387..1512, 1905..2280, 2445..2669, 2863..3176, 3191..3525, 3609..3860, 3941..4051, 4139..4199, 4349..4441, 4519..4575		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14

Gene No.	16867	Strand	+
Start	7424	End	14178
Name	OJ990901_05.9B10.C14.o2.np	Method	AAT/NAP
Start	7424	End	12699
GI	2129709	Score	710
Exons	7424..7493, 10059..10787, 11125..12699		
GI Descrip.	reverse transcriptase - Arabidopsis thaliana retrotransposon Ta11-1 gi|976278 (L47193) reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16867	Strand	+
Start	7424	End	14178
Name	OJ990901_05.9B10.C14.o3.np	Method	AAT/NAP
Start	11758	End	14178
GI	6682231	Score	209
Exons	11758..12655, 14123..14178		
GI Descrip.	(AC016661) putative non-LTR reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16868	Strand	+
Start	14948	End	17752
Name	OJ990901_05.9B10.C14.o4.np	Method	AAT/NAP
Start	14948	End	17752
GI	6721171	Score	106
Exons	14948..15134, 17712..17752		
GI Descrip.	(AC016829) unknown protein [Arabidopsis thaliana]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16869	Strand	+
Start	34608	End	35256
Name	OJ990901_05.9B10.C14.o8.gs	Method	GENSCAN
Start	34608	End	35256
GI	none	Score	.68
Exons	34608..34825, 35109..35256		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16870	Strand	+
Start	37919	End	39264
Name	OJ990901_05.9B10.C14.o9.gs	Method	GENSCAN
Start	37919	End	39264
GI	none	Score	.78
Exons	37919..38169, 38371..38381, 38693..39264		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16871	Strand	+
Start	45990	End	49004
Name	OJ990901_05.9B10.C14.o11.gs	Method	GENSCAN
Start	45990	End	49004
GI	none	Score	.63
Exons	45990..46147, 47165..47294, 47480..49004		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16872	Strand	-
Start	7496	End	9259
Name	OJ990901_05.9B10.C14.o1.np	Method	AAT/NAP

Start	7298	End	8843
GI	6716785	Score	388
Exons	7298..7328, 8475..8601, 8683..8843		
GI Descrip.	(AF220539) 40s ribosomal protein S23 [Euphorbia esula]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16872	Strand	-
Start	7496	End	9259
Name	OJ990901_05.9B10.C14.o3.gs	Method	GENSCAN
Start	7496	End	9259
GI	none	Score	.68
Exons	7496..7900, 8475..8601, 8683..8837, 9041..9259		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16873	Strand	-
Start	14959	End	15524
Name	OJ990901_05.9B10.C14.o4.gs	Method	GENSCAN
Start	14959	End	15524
GI	none	Score	.68
Exons	14959..15027, 15155..15292, 15474..15524		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o5.gs	Method	GENSCAN
Start	16580	End	22441
GI	none	Score	.51
Exons	16580..16602, 17135..17329, 18192..19766, 20581..20768, 21645..21783, 22408..22441		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o1.gp	Method	AAT/GAP
Start	16718	End	17186
GI	LIB3434-015-P1-K1-E7	Score	902
Exons	16718..17186		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o5.np	Method	AAT/NAP
Start	17491	End	22216
GI	2828293	Score	1363
Exons	17491..17616, 17891..18471, 18523..18602, 18630..19399, 19463..19553, 22178..22216		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o2.gp	Method	AAT/GAP
Start	18567	End	19075
GI	uC-osflcyp109e06b1	Score	897
Exons	18567..19075		

GI Descrip.	'2828293/emb|CAA16707.1| 3.0e-32 (AL021687) putative protein [Arabidopsis thaliana]'		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o3.gp	Method	AAT/GAP
Start	19072	End	19174
GI	none	Score	202
Exons	19072..19174		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16874	Strand	-
Start	16580	End	22441
Name	OJ990901_05.9B10.C14.o4.gp	Method	AAT/GAP
Start	19502	End	20591
GI	2428420	Score	822
Exons	19502..19874, 20498..20591		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16875	Strand	-
Start	23676	End	23760
Name	OJ990901_05.9B10.C14.o5.gp	Method	AAT/GAP
Start	23676	End	23760
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	23676..23760		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16876	Strand	-
Start	28023	End	34085
Name	OJ990901_05.9B10.C14.o7.gs	Method	GENSCAN
Start	28023	End	34085
GI	none	Score	.73
Exons	28023..28064, 28140..28213, 28925..28960, 29114..29297, 29395..29659, 30051..30108, 32134..32265, 33158..33251, 33663..34085		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o7.tm	Method	TBLASTX:Maize
Start	5225	End	6844
GI	none	Score	90
Exons	5225..5512, 5373..5507, 6570..6695, 6713..6844, 6715..6741, 6758..6844		
Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o3.tc	Method	TBLASTX:Cress
Start	5264	End	6844
GI	none	Score	90
Exons	5264..5512, 6570..6695, 6758..6844		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o5.ts	Method	TBLASTX:Soybean
Start	5264	End	6844
GI	none	Score	67
Exons	5264..5512, 6570..6695, 6713..6844, 6758..6844		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o1.tc	Method	TBLASTX:Cress
Start	8464	End	8837
GI	none	Score	169
Exons	8464..8604, 8475..8600, 8477..8602, 8546..8611, 8682..8834, 8682..8837, 8683..8835		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o1.ts	Method	TBLASTX:Soybean
Start	8464	End	8838
GI	none	Score	166
Exons	8464..8604, 8474..8599, 8475..8612, 8475..8600, 8682..8837, 8683..8838, 8683..8838		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o3.tm	Method	TBLASTX:Maize
Start	8467	End	8838
GI	none	Score	200
Exons	8467..8604, 8475..8600, 8533..8601, 8682..8834, 8682..8837, 8683..8838, 8683..8838		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o1.tw	Method	TBLASTX:Wheat
Start	8473	End	13984
GI	none	Score	188
Exons	8473..8604, 8475..8612, 8475..8600, 8682..8837, 8683..8835, 13880..13918, 13940..13984		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o2.tw	Method	TBLASTX:Wheat
Start	10150	End	10428
GI	none	Score	220
Exons	10150..10428, 10194..10412		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o4.tw	Method	TBLASTX:Wheat
Start	10498	End	10758

GI	none	Score	187
Exons	10498..10758		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o8.tm	Method	TBLASTX:Maize
Start	11416	End	11790
GI	none	Score	92
Exons	11416..11622, 11433..11576, 11605..11790		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o9.tm	Method	TBLASTX:Maize
Start	14947	End	15160
GI	none	Score	89
Exons	14947..15036, 14960..15037, 15027..15077, 15037..15159, 15074..15160		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o5.tm	Method	TBLASTX:Maize
Start	16758	End	17294
GI	none	Score	49
Exons	16758..16793, 16760..16792, 16831..16863, 16880..16942, 16880..16942, 16938..16973, 16943..16972, 16987..17010, 17026..17136, 17031..17135, 17130..17255, 17137..17256, 17268..17294		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o2.tm	Method	TBLASTX:Maize
Start	18032	End	18433
GI	none	Score	453
Exons	18032..18433, 18082..18432		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o3.ts	Method	TBLASTX:Soybean
Start	18364	End	18586
GI	none	Score	94
Exons	18364..18489, 18368..18487, 18499..18579, 18506..18586		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o4.ts	Method	TBLASTX:Soybean
Start	18754	End	18996
GI	none	Score	89
Exons	18754..18996, 18761..18931, 18952..18996		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-

Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o1.tm	Method	TBLASTX:Maize
Start	19298	End	19831
GI	none	Score	495
Exons	19298..19732, 19300..19734, 19303..19734, 19727..19831, 19728..19826		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o6.tm	Method	TBLASTX:Maize
Start	33031	End	33807
GI	none	Score	36
Exons	33031..33060, 33078..33257, 33081..33257, 33648..33806, 33661..33807		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o4.tm	Method	TBLASTX:Maize
Start	41453	End	42128
GI	none	Score	102
Exons	41453..41500, 41508..41717, 41509..41700, 41767..41928, 41769..41927, 41910..42128, 41917..42042		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o6.np	Method	AAT/NAP
Start	41481	End	45289
GI	5915833	Score	693
Exons	41481..41711, 41739..42162, 44410..45289		
GI Descrip.	CYTOCHROME P450 76C3 gi|2979550|gb|AAC06159.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o10.gs	Method	GENSCAN
Start	41499	End	45292
GI	none	Score	.95
Exons	41499..42128, 42404..42434, 42607..42638, 44366..45292		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o2.ts	Method	TBLASTX:Soybean
Start	41514	End	42128
GI	none	Score	111
Exons	41514..41714, 41767..41928, 41769..41927, 41910..42128, 41917..42042		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o2.tc	Method	TBLASTX:Cress
Start	41553	End	45139

GI	none	Score	79
Exons	41553..41741, 41769..41927, 41773..41928, 41910..42140, 41934..42098, 44882..44959, 44936..45139		

Seq. No.	8003	Seq. ID	OJ990901_05.9B10.C14
Gene No.	16877	Strand	-
Start	41499	End	45292
Name	OJ990901_05.9B10.C14.o3.tw	Method	TBLASTX:Wheat
Start	41826	End	42128
GI	none	Score	69
Exons	41826..41915, 41830..41913, 41910..42128, 41931..42092		

Seq. No.	8004	Seq. ID	OJ990901_05.9B10.C15
Gene No.	16878	Strand	
Start	189	End	740
Name	OJ990901_05.9B10.C15.o1.tm	Method	TBLASTX:Maize
Start	189	End	740
GI	none	Score	70
Exons	189..344, 351..740		

Seq. No.	8004	Seq. ID	OJ990901_05.9B10.C15
Gene No.	16878	Strand	
Start	189	End	740
Name	OJ990901_05.9B10.C15.o1.tw	Method	TBLASTX:Wheat
Start	294	End	692
GI	none	Score	189
Exons	294..575, 350..586, 615..692		

Seq. No.	8004	Seq. ID	OJ990901_05.9B10.C15
Gene No.	16879	Strand	
Start	1221	End	1667
Name	OJ990901_05.9B10.C15.o2.tm	Method	TBLASTX:Maize
Start	1221	End	1595
GI	none	Score	97
Exons	1221..1382, 1253..1381, 1392..1595		

Seq. No.	8004	Seq. ID	OJ990901_05.9B10.C15
Gene No.	16879	Strand	
Start	1221	End	1667
Name	OJ990901_05.9B10.C15.o2.tw	Method	TBLASTX:Wheat
Start	1251	End	1667
GI	none	Score	82
Exons	1251..1361, 1406..1633, 1407..1667		

Seq. No.	8005	Seq. ID	OJ990901_05.9B10.C16
Gene No.	16880	Strand	-
Start	210	End	816
Name	OJ990901_05.9B10.C16.o1.gs	Method	GENSCAN
Start	210	End	816
GI	none	Score	.83
Exons	210..418, 687..816		

Seq. No.	8006	Seq. ID	OJ990901_05.9B10.C17
Gene No.	16881	Strand	-
Start	1	End	565
Name	OJ990901_05.9B10.C17.o1.np	Method	AAT/NAP
Start	1	End	565

GI	6705984	Score	742
Exons	1..403, 451..565		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	8006	Seq. ID	OJ990901_05.9B10.C17
Gene No.	16881	Strand	-
Start	1	End	565
Name	OJ990901_05.9B10.C17.o1.tm	Method	TBLASTX:Maize
Start	85	End	563
GI	none	Score	121
Exons	85..393, 122..340, 471..563		

Seq. No.	8006	Seq. ID	OJ990901_05.9B10.C17
Gene No.	16881	Strand	-
Start	1	End	565
Name	OJ990901_05.9B10.C17.o1.tw	Method	TBLASTX:Wheat
Start	139	End	563
GI	none	Score	140
Exons	139..393, 143..391, 471..563		

Seq. No.	8007	Seq. ID	OJ990901_05.9B10.C18
Gene No.	16882	Strand	+
Start	268	End	352
Name	OJ990901_05.9B10.C18.o1.gp	Method	AAT/GAP
Start	268	End	352
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	268..352		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8008	Seq. ID	OJ991121_46.9C13.C1
Gene No.	16883	Strand	+
Start	985	End	1035
Name	OJ991121_46.9C13.C1.o1.gs	Method	GENSCAN
Start	985	End	1035
GI	none	Score	.48
Exons	985..1035		

Seq. No.	8008	Seq. ID	OJ991121_46.9C13.C1
Gene No.	16884	Strand	-
Start	428	End	567
Name	OJ991121_46.9C13.C1.o1.gp	Method	AAT/GAP
Start	428	End	567
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	428..567		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	8008	Seq. ID	OJ991121_46.9C13.C1
Gene No.	16885	Strand	-
Start	1498	End	1661
Name	OJ991121_46.9C13.C1.o2.gp	Method	AAT/GAP
Start	1498	End	1661
GI	4714965	Score	296
Exons	1498..1661		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16886	Strand	+
Start	3084	End	5201
Name	OJ991121_46.9C13.C2.o2.np	Method	AAT/NAP
Start	3084	End	5016
GI	4406815	Score	629
Exons	3084..3246, 3432..3590, 4089..4202, 4595..4739, 4822..5016		
GI Descrip.	(AC006201) putative peptide methionine sulfoxide reductase [Arabidopsis thaliana]		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16886	Strand	+
Start	3084	End	5201
Name	OJ991121_46.9C13.C2.o2.gs	Method	GENSCAN
Start	3234	End	5019
GI	none	Score	.81
Exons	3234..3595, 4116..4202, 4595..4739, 4954..5019		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16886	Strand	+
Start	3084	End	5201
Name	OJ991121_46.9C13.C2.o2.gp	Method	AAT/GAP
Start	3492	End	5201
GI	23159_1.R1084	Score	1309
Exons	3492..3590, 4089..4202, 4595..4739, 4822..5201		
GI Descrip.	'4406815/gb|AAD20123| 7.0e-61 (AC006201) putative peptide methionine sulfoxide reductase [Arabidopsis thaliana]'		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16887	Strand	-
Start	1	End	2939
Name	OJ991121_46.9C13.C2.o1.np	Method	AAT/NAP
Start	1	End	2939
GI	4406821	Score	820
Exons	1..53, 431..757, 862..947, 2177..2939		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16887	Strand	-
Start	1	End	2939
Name	OJ991121_46.9C13.C2.o1.gp	Method	AAT/GAP
Start	417	End	955
GI	4714964	Score	750
Exons	417..757, 862..955		
GI Descrip.	4406821/gb|AAD20129| 3.0e-77 (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o2.ts	Method	TBLASTX:Soybean
Start	707	End	2319
GI	none	Score	103
Exons	707..757, 860..949, 860..949, 865..954, 2181..2318, 2218..2319		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-

Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o3.tm	Method	TBLASTX:Maize
Start	3449	End	4677
GI	none	Score	221
Exons	3449..3598, 3459..3593, 4083..4193, 4089..4187, 4590..4673, 4592..4672, 4594..4677		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o1.tc	Method	TBLASTX:Cress
Start	3452	End	5019
GI	none	Score	203
Exons	3452..3598, 3459..3593, 4088..4192, 4089..4199, 4671..4739, 4806..5018, 4819..5019, 4820..5014, 4822..5019		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o1.ts	Method	TBLASTX:Soybean
Start	3452	End	4932
GI	none	Score	212
Exons	3452..3598, 3459..3593, 4088..4192, 4089..4187, 4590..4739, 4592..4735, 4806..4898, 4822..4932		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	4691	End	5022
GI	none	Score	69
Exons	4691..4738, 4692..4739, 4785..5021, 4819..5022, 4822..5022		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o3.gp	Method	AAT/GAP
Start	5331	End	6295
GI	28820_1.R1084	Score	1227
Exons	5331..5879, 5969..6119, 6235..6295		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o4.gp	Method	AAT/GAP
Start	5496	End	6446
GI	28820_1.R1084	Score	972
Exons	5496..5879, 5969..6119, 6235..6295, 6424..6446		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o2.tm	Method	TBLASTX:Maize
Start	5817	End	6296
GI	none	Score	88
Exons	5817..5891, 5817..5891, 5819..5896, 5819..5896, 6008..6124, 6015..6122, 6017..6127, 6234..6296, 6239..6283		

Seq. No.	8009	Seq. ID	OJ991121_46.9C13.C2
Gene No.	16888	Strand	-
Start	5331	End	6446
Name	OJ991121_46.9C13.C2.o3.gs	Method	GENSCAN
Start	6195	End	6293
GI	none	Score	.96
Exons	6195..6293		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16889	Strand	+
Start	2982	End	6364
Name	OJ991121_46.9C13.C3.o3.np	Method	AAT/NAP
Start	2982	End	6364
GI	4335715	Score	76
Exons	2982..3047, 4672..4869, 6316..6364		
GI Descrip.	(AC006248) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16889	Strand	+
Start	2982	End	6364
Name	OJ991121_46.9C13.C3.o2.gs	Method	GENSCAN
Start	3340	End	4684
GI	none	Score	.87
Exons	3340..3391, 4081..4260, 4523..4593, 4604..4684		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16890	Strand	-
Start	1	End	4625
Name	OJ991121_46.9C13.C3.o1.gp	Method	AAT/GAP
Start	1	End	179
GI	28820_1.R1084	Score	288
Exons	1..179		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16890	Strand	-
Start	1	End	4625
Name	OJ991121_46.9C13.C3.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	3033386	Score	308
Exons	1..245, 2004..2081, 2632..2730		
GI Descrip.	(AC004238) putative RING3 protein [Arabidopsis thaliana]		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16890	Strand	-

Start	1	End	4625
Name	OJ991121_46.9C13.C3.o1.gs	Method	GENSCAN
Start	21	End	3126
GI	none	Score	.71
Exons	21..245, 2004..2081, 2632..2775, 3013..3126		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16890	Strand	-
Start	1	End	4625
Name	OJ991121_46.9C13.C3.o3.gp	Method	AAT/GAP
Start	2632	End	2764
GI	2442805	Score	234
Exons	2632..2764		
GI Descrip.	3033386 6.0e-24 (AC004238) RING3-like protein [Arabidopsis thaliana]		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16890	Strand	-
Start	1	End	4625
Name	OJ991121_46.9C13.C3.o2.np	Method	AAT/NAP
Start	2681	End	4625
GI	3063449	Score	117
Exons	2681..2706, 4214..4368, 4445..4625		
GI Descrip.	(AC003981) F22O13.11 [Arabidopsis thaliana]		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o1.ts	Method	TBLASTX:Soybean
Start	16	End	180
GI	none	Score	96
Exons	16..180, 20..178, 21..179		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o1.tm	Method	TBLASTX:Maize
Start	57	End	3061
GI	none	Score	143
Exons	57..254, 59..235, 68..271, 87..248, 1998..2093, 2004..2084, 2629..2703, 2648..2704, 2701..2775, 2702..2818, 3004..3060, 3017..3061		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o1.tc	Method	TBLASTX:Cress
Start	60	End	2081
GI	none	Score	85
Exons	60..191, 79..180, 175..249, 189..248, 2001..2081		

Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o2.tm	Method	TBLASTX:Maize
Start	4235	End	4525
GI	none	Score	99

Exons	4235..4369, 4263..4370, 4273..4371, 4445..4525, 4449..4517		
Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o1.tw	Method	TBLASTX:Wheat
Start	4255	End	4525
GI	none	Score	134
Exons	4255..4371, 4273..4374, 4443..4517, 4445..4525, 4452..4517		
Seq. No.	8010	Seq. ID	OJ991121_46.9C13.C3
Gene No.	16891	Strand	-
Start	5631	End	6442
Name	OJ991121_46.9C13.C3.o4.gp	Method	AAT/GAP
Start	5631	End	6442
GI	33668_1.R1084	Score	1561
Exons	5631..6442		
GI Descrip.	'4406821/gb|AAD20129| 3.0e-77 (AC006201) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	8011	Seq. ID	OJ991121_46.9C13.C5
Gene No.	16892	Strand	-
Start	1	End	473
Name	OJ991121_46.9C13.C5.o1.np	Method	AAT/NAP
Start	1	End	448
GI	1764100	Score	461
Exons	1..448		
GI Descrip.	(U81805) GDP-D-mannose-4,6-dehydratase [Arabidopsis thaliana]		
Seq. No.	8011	Seq. ID	OJ991121_46.9C13.C5
Gene No.	16892	Strand	-
Start	1	End	473
Name	OJ991121_46.9C13.C5.o1.tc	Method	TBLASTX:Cress
Start	7	End	367
GI	none	Score	59
Exons	7..138, 74..124, 212..367, 215..367		
Seq. No.	8011	Seq. ID	OJ991121_46.9C13.C5
Gene No.	16892	Strand	-
Start	1	End	473
Name	OJ991121_46.9C13.C5.o1.ts	Method	TBLASTX:Soybean
Start	7	End	367
GI	none	Score	69
Exons	7..138, 74..130, 212..367, 215..364		
Seq. No.	8011	Seq. ID	OJ991121_46.9C13.C5
Gene No.	16892	Strand	-
Start	1	End	473
Name	OJ991121_46.9C13.C5.o1.gs	Method	GENSCAN
Start	13	End	473
GI	none	Score	.68
Exons	13..114, 173..473		
Seq. No.	8011	Seq. ID	OJ991121_46.9C13.C5
Gene No.	16892	Strand	-
Start	1	End	473
Name	OJ991121_46.9C13.C5.o1.tm	Method	TBLASTX:Maize

Start	40	End	337
GI	none	Score	68
Exons	40..141, 74..130, 173..337, 173..337		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16893	Strand	+
Start	4313	End	8726
Name	OJ991121_46.9C13.C6.o2.gs	Method	GENSCAN
Start	4313	End	7515
GI	none	Score	.71
Exons	4313..4421, 4650..4829, 5003..5118, 6106..6228, 6547..6616, 7442..7515		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16893	Strand	+
Start	4313	End	8726
Name	OJ991121_46.9C13.C6.o2.np	Method	AAT/NAP
Start	4642	End	8726
GI	3695379	Score	645
Exons	4642..4726, 4773..4932, 5003..5118, 6133..6228, 6382..6465, 6547..6616, 6674..6776, 8607..8726		
GI Descrip.	(AF096370) contains similarity to a C. elegans hypothetical protein F44G4.1 (GB:Z49910) and several yeast hypothetical proteins such as 35.1 KD protein in NAM8-GAR1 intergenic region (SP:P38805) [Arabidopsis thaliana]		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16894	Strand	-
Start	372	End	3548
Name	OJ991121_46.9C13.C6.o1.gs	Method	GENSCAN
Start	372	End	3548
GI	none	Score	.68
Exons	372..511, 2305..2380, 2966..3139, 3249..3548		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16894	Strand	-
Start	372	End	3548
Name	OJ991121_46.9C13.C6.o1.gp	Method	AAT/GAP
Start	2200	End	3487
GI	70544_1.R1084	Score	1085
Exons	2200..2406, 2966..3139, 3249..3487		
GI Descrip.	'3914555/sp|O65693|RBFA_ARATH 6.0e-48 PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR >gi_3096942_emb_CAA18852.1_ (AL023094) putative protein [Arabidopsis thaliana]'		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16894	Strand	-
Start	372	End	3548
Name	OJ991121_46.9C13.C6.o1.np	Method	AAT/NAP
Start	2255	End	3485
GI	3914555	Score	511
Exons	2255..2431, 2966..3160, 3234..3485		
GI Descrip.	PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR gi|3096942|emb|CAA18852.1| (AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6

Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o2.tm	Method	TBLASTX:Maize
Start	2963	End	3109
GI	none	Score	204
Exons	2963..3109, 2966..3109		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o2.ts	Method	TBLASTX:Soybean
Start	3077	End	3432
GI	none	Score	83
Exons	3077..3115, 3078..3140, 3232..3432, 3246..3431		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o3.tm	Method	TBLASTX:Maize
Start	4788	End	5063
GI	none	Score	114
Exons	4788..4940, 4790..4927, 5034..5063, 5035..5061		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o1.ts	Method	TBLASTX:Soybean
Start	4793	End	8665
GI	none	Score	132
Exons	4793..4924, 5035..5127, 5037..5126, 6130..6225, 6132..6224, 6381..6464, 6382..6468, 6546..6614, 6547..6615, 6714..6776, 6716..6772, 8576..8665, 8601..8663		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o1.tm	Method	TBLASTX:Maize
Start	6177	End	6754
GI	none	Score	72
Exons	6177..6224, 6178..6225, 6374..6466, 6379..6468, 6381..6464, 6382..6465, 6546..6614, 6546..6614, 6547..6615, 6547..6615, 6713..6754, 6714..6752		

Seq. No.	8012	Seq. ID	OJ991121_46.9C13.C6
Gene No.	16895	Strand	-
Start	8195	End	8665
Name	OJ991121_46.9C13.C6.o3.gs	Method	GENSCAN
Start	8195	End	8367
GI	none	Score	.93
Exons	8195..8367		

Seq. No.	8013	Seq. ID	OJ991121_46.9C13.C7
Gene No.	16896	Strand	+
Start	1	End	1729
Name	OJ991121_46.9C13.C7.o1.np	Method	AAT/NAP
Start	1	End	1729
GI	3695379	Score	105

Exons	1..42, 391..480, 1706..1729		
GI Descrip.	(AF096370) contains similarity to a C. elegans hypothetical protein F44G4.1 (GB:Z49910) and several yeast hypothetical proteins such as 35.1 KD protein in NAM8-GAR1 intergenic region (SP:P38805) [Arabidopsis thaliana]		
Seq. No.	8013	Seq. ID	OJ991121_46.9C13.C7
Gene No.	16896	Strand	+
Start	1	End	1729
Name	OJ991121_46.9C13.C7.o1.ts	Method	TBLASTX:Soybean
Start	376	End	616
GI	none	Score	160
Exons	376..480, 387..485, 391..480, 573..614, 575..616		
Seq. No.	8013	Seq. ID	OJ991121_46.9C13.C7
Gene No.	16896	Strand	+
Start	1	End	1729
Name	OJ991121_46.9C13.C7.o1.tc	Method	TBLASTX:Cress
Start	387	End	638
GI	none	Score	83
Exons	387..485, 390..476, 391..480, 573..638, 575..613		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16897	Strand	+
Start	11711	End	16008
Name	OJ991121_46.9C13.C8.o3.np	Method	AAT/NAP
Start	11711	End	16008
GI	1171577	Score	254
Exons	11711..11769, 13224..13370, 13539..13950, 15845..16008		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16897	Strand	+
Start	11711	End	16008
Name	OJ991121_46.9C13.C8.o3.gs	Method	GENSCAN
Start	12819	End	14256
GI	none	Score	.79
Exons	12819..12939, 12963..12999, 13060..13219, 13239..13370, 13539..13668, 13676..14256		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16897	Strand	+
Start	11711	End	16008
Name	OJ991121_46.9C13.C8.o4.gs	Method	GENSCAN
Start	15341	End	15972
GI	none	Score	.65
Exons	15341..15428, 15845..15972		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16898	Strand	-
Start	1295	End	1670
Name	OJ991121_46.9C13.C8.o1.gp	Method	AAT/GAP
Start	1295	End	1670
GI	4714278	Score	704
Exons	1295..1670		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8

Gene No.	16899	Strand	-
Start	1728	End	2082
Name	OJ991121_46.9C13.C8.o1.np	Method	AAT/NAP
Start	1728	End	2082
GI	4582443	Score	225
Exons	1728..1946, 1981..2082		
GI Descrip.	(AC007142) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o2.tc	Method	TBLASTX:Cress
Start	1728	End	2037
GI	none	Score	55
Exons	1728..1781, 1827..1943, 1999..2037		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o2.tm	Method	TBLASTX:Maize
Start	1731	End	1943
GI	none	Score	62
Exons	1731..1784, 1741..1779, 1827..1943, 1857..1943		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o2.gp	Method	AAT/GAP
Start	8513	End	10769
GI	5002768	Score	1239
Exons	8513..8843, 8940..9018, 10408..10532, 10622..10769		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o2.gs	Method	GENSCAN
Start	9003	End	12169
GI	none	Score	.57
Exons	9003..9018, 9373..9710, 10408..10532, 10622..10809, 10886..11107, 11221..11303, 11948..12169		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o2.np	Method	AAT/NAP
Start	10608	End	11738
GI	4406818	Score	494
Exons	10608..10809, 10886..11107, 11221..11303, 11646..11738		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		

Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o1.tc	Method	TBLASTX:Cress
Start	10624	End	11040
GI	none	Score	110

Exons	10624..10761, 10651..10773, 10662..10808, 10880..11029, 10883..11035, 10885..11040, 10891..11040		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o1.ts	Method	TBLASTX:Soybean
Start	10654	End	10948
GI	none	Score	41
Exons	10654..10683, 10683..10808, 10684..10773, 10695..10805, 10883..10948, 10885..10947		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16900	Strand	-
Start	9003	End	12169
Name	OJ991121_46.9C13.C8.o1.tm	Method	TBLASTX:Maize
Start	11018	End	11306
GI	none	Score	107
Exons	11018..11104, 11018..11101, 11020..11103, 11218..11304, 11219..11305, 11222..11305, 11223..11306		
Seq. No.	8014	Seq. ID	OJ991121_46.9C13.C8
Gene No.	16901	Strand	
Start	13224	End	13857
Name	OJ991121_46.9C13.C8.o2.ts	Method	TBLASTX:Soybean
Start	13224	End	13857
GI	none	Score	62
Exons	13224..13277, 13496..13564, 13539..13655, 13665..13856, 13666..13857		
Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o1.np	Method	AAT/NAP
Start	1	End	5132
GI	5541717	Score	620
Exons	1..98, 198..347, 530..618, 797..989, 1421..1848, 2112..2453, 3010..3118, 3934..4034, 4463..4588, 4690..4815, 5073..5132		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		
Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o3.tm	Method	TBLASTX:Maize
Start	2	End	291
GI	none	Score	128
Exons	2..100, 15..98, 16..99, 158..283, 184..291, 184..282		
Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o1.gs	Method	GENSCAN
Start	35	End	4815
GI	none	Score	.88
Exons	35..98, 198..347, 530..618, 797..1000, 1662..1754, 2306..2437, 2845..2967, 3577..3718, 3942..4034, 4463..4588, 4690..4815		

Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o2.ts	Method	TBLASTX:Soybean
Start	257	End	997
GI	none	Score	146
Exons	257..349, 259..351, 291..353, 501..623, 522..617, 529..618, 775..993, 780..911, 797..997, 800..988		

Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o2.tm	Method	TBLASTX:Maize
Start	305	End	2242
GI	none	Score	75
Exons	305..349, 305..349, 307..351, 522..617, 522..623, 529..618, 780..989, 796..999, 797..1000, 797..1000, 1644..1751, 1659..1751, 1660..1752, 2103..2156, 2110..2169, 2152..2241, 2159..2242		

Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o1.ts	Method	TBLASTX:Soybean
Start	3607	End	4814
GI	none	Score	71
Exons	3607..3717, 3941..4039, 4447..4587, 4447..4536, 4449..4586, 4462..4587, 4665..4814, 4668..4772, 4688..4774, 4690..4773		

Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o1.tc	Method	TBLASTX:Cress
Start	3953	End	4814
GI	none	Score	113
Exons	3953..4039, 3953..4033, 4447..4587, 4447..4587, 4447..4578, 4665..4814, 4668..4805, 4688..4804		

Seq. No.	8015	Seq. ID	OJ991121_46.9C13.C11
Gene No.	16902	Strand	+
Start	1	End	5132
Name	OJ991121_46.9C13.C11.o1.tm	Method	TBLASTX:Maize
Start	3995	End	4829
GI	none	Score	199
Exons	3995..4033, 4447..4587, 4447..4587, 4447..4587, 4449..4577, 4668..4829, 4685..4804, 4688..4822, 4689..4814, 4689..4826, 4732..4827		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16903	Strand	+
Start	1	End	1247
Name	OJ991121_46.9C13.C12.o1.np	Method	AAT/NAP
Start	1	End	829
GI	5541717	Score	148
Exons	1..87, 439..572, 699..829		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16903	Strand	+
Start	1	End	1247
Name	OJ991121_46.9C13.C12.o1.gs	Method	GENSCAN
Start	444	End	859
GI	none	Score	.75
Exons	444..572, 699..859		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16903	Strand	+
Start	1	End	1247
Name	OJ991121_46.9C13.C12.o1.gp	Method	AAT/GAP
Start	691	End	1247
GI	none	Score	1002
Exons	691..1247		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16904	Strand	+
Start	3205	End	4710
Name	OJ991121_46.9C13.C12.o3.gs	Method	GENSCAN
Start	3205	End	4710
GI	none	Score	.78
Exons	3205..3395, 4279..4364, 4697..4710		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16905	Strand	+
Start	6641	End	9830
Name	OJ991121_46.9C13.C12.o2.gp	Method	AAT/GAP
Start	6641	End	9830
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	6641..6670, 9765..9830		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16906	Strand	+
Start	11259	End	11817
Name	OJ991121_46.9C13.C12.o3.np	Method	AAT/NAP
Start	11259	End	11817
GI	3668079	Score	189
Exons	11259..11409, 11465..11520, 11644..11817		
GI Descrip.	(AC004667) putative AT-hook DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16907	Strand	-
Start	1	End	4371
Name	OJ991121_46.9C13.C12.o2.np	Method	AAT/NAP
Start	1	End	4371
GI	2759989	Score	53
Exons	1..41, 1994..2177, 4303..4371		
GI Descrip.	(AJ001159) hypothetical protein [Ralstonia eutropha]		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16907	Strand	-
Start	1	End	4371

Name	OJ991121_46.9C13.C12.o1.tm	Method	TBLASTX:Maize
Start	437	End	867
GI	none	Score	230
Exons	437..577, 442..570, 443..571, 697..861, 698..862, 698..862, 699..866, 700..867		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16907	Strand	-
Start	1	End	4371
Name	OJ991121_46.9C13.C12.o1.ts	Method	TBLASTX:Soybean
Start	437	End	853
GI	none	Score	200
Exons	437..577, 442..570, 477..593, 697..852, 698..853		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16907	Strand	-
Start	1	End	4371
Name	OJ991121_46.9C13.C12.o2.gs	Method	GENSCAN
Start	1982	End	2860
GI	none	Score	.73
Exons	1982..2298, 2396..2556, 2829..2860		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16908	Strand	
Start	11657	End	11807
Name	OJ991121_46.9C13.C12.o1.tc	Method	TBLASTX:Cress
Start	11657	End	11807
GI	none	Score	196
Exons	11657..11806, 11658..11807		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16908	Strand	
Start	11657	End	11807
Name	OJ991121_46.9C13.C12.o2.ts	Method	TBLASTX:Soybean
Start	11657	End	11807
GI	none	Score	198
Exons	11657..11806, 11658..11807		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16908	Strand	
Start	11657	End	11807
Name	OJ991121_46.9C13.C12.o1.tw	Method	TBLASTX:Wheat
Start	11666	End	11807
GI	none	Score	189
Exons	11666..11797, 11667..11801, 11748..11807		

Seq. No.	8016	Seq. ID	OJ991121_46.9C13.C12
Gene No.	16908	Strand	
Start	11657	End	11807
Name	OJ991121_46.9C13.C12.o2.tm	Method	TBLASTX:Maize
Start	11666	End	11804
GI	none	Score	184
Exons	11666..11803, 11667..11804		

Seq. No.	8017	Seq. ID	OJ991121_46.9C13.C13
Gene No.	16909	Strand	+
Start	1	End	348

Name	OJ991121_46.9C13.C13.o1.np	Method	AAT/NAP
Start	1	End	345
GI	4586110	Score	206
Exons	1..345		
GI Descrip.	(AL049638) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	8017	Seq. ID	OJ991121_46.9C13.C13
Gene No.	16909	Strand	+
Start	1	End	348
Name	OJ991121_46.9C13.C13.o1.gs	Method	GENSCAN
Start	100	End	348
GI	none	Score	.96
Exons	100..348		

Seq. No.	8017	Seq. ID	OJ991121_46.9C13.C13
Gene No.	16910	Strand	+
Start	282	End	598
Name	OJ991121_46.9C13.C13.o1.gp	Method	AAT/GAP
Start	282	End	598
GI	none	Score	610
Exons	282..598		

Seq. No.	8017	Seq. ID	OJ991121_46.9C13.C13
Gene No.	16911	Strand	-
Start	825	End	3481
Name	OJ991121_46.9C13.C13.o2.gs	Method	GENSCAN
Start	825	End	3481
GI	none	Score	.64
Exons	825..859, 3020..3126, 3393..3481		

Seq. No.	8018	Seq. ID	OJ991121_46.9C13.C14
Gene No.	16912	Strand	+
Start	55	End	147
Name	OJ991121_46.9C13.C14.o1.gs	Method	GENSCAN
Start	55	End	147
GI	none	Score	.72
Exons	55..147		

Seq. No.	8018	Seq. ID	OJ991121_46.9C13.C14
Gene No.	16913	Strand	-
Start	1607	End	1768
Name	OJ991121_46.9C13.C14.o2.gs	Method	GENSCAN
Start	1607	End	1768
GI	none	Score	.53
Exons	1607..1768		

Seq. No.	8019	Seq. ID	OJ991121_46.9C13.C15
Gene No.	16914	Strand	-
Start	186	End	1313
Name	OJ991121_46.9C13.C15.o1.gs	Method	GENSCAN
Start	186	End	1313
GI	none	Score	.54
Exons	186..280, 1217..1313		

Seq. No.	8019	Seq. ID	OJ991121_46.9C13.C15
Gene No.	16915	Strand	-
Start	2216	End	2420

Name	OJ991121_46.9C13.C15.o2.gp	Method	AAT/GAP
Start	2216	End	2420
GI	none	Score	399
Exons	2216..2420		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16916	Strand	+
Start	128	End	289
Name	OJ991121_46.9C13.C16.o1.gs	Method	GENSCAN
Start	128	End	289
GI	none	Score	.89
Exons	128..289		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16917	Strand	+
Start	16117	End	17491
Name	OJ991121_46.9C13.C16.o4.gp	Method	AAT/GAP
Start	16117	End	17491
GI	12339_1.R1084	Score	449
Exons	16117..16283, 16438..16501, 17082..17146, 17465..17491		
GI Descrip.	'119355/sp|P26301|ENO1_MAIZE 1.0e-123 ENOLASE 1 (2-PHOSPHOGLYCERATE DEHYDRATASE 1) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE 1) >gi_100869_pir__S16257 phosphopyruvate hydratase (EC 4.2.1.11) - maize >gi_22273_emb_CAA39454_ (X55981) enolase [Zea mays]'		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16917	Strand	+
Start	16117	End	17491
Name	OJ991121_46.9C13.C16.o2.np	Method	AAT/NAP
Start	16215	End	17146
GI	119355	Score	223
Exons	16215..16283, 16438..16501, 17082..17146		
GI Descrip.	ENOLASE 1 (2-PHOSPHOGLYCERATE DEHYDRATASE 1) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE 1) gi|100869|pir||S16257 phosphopyruvate hydratase (EC 4.2.1.11) - maize gi|22273|emb|CAA39454| (X55981) enolase [Zea mays]		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o1.np	Method	AAT/NAP
Start	1	End	2858
GI	5360589	Score	511
Exons	1..49, 153..221, 313..429, 1736..1873, 1984..2118, 2709..2858		
GI Descrip.	(AB022327) nClpP2 [Arabidopsis thaliana]		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	3018
GI	none	Score	36
Exons	1..51, 2..52, 2..52, 151..222, 153..224, 153..245, 154..228, 306..416, 307..429, 308..427, 313..432, 1733..1894, 1737..1874, 1738..1875, 1978..2106, 1985..2077, 1987..2085, 2573..2647, 2577..2648, 2578..2652, 2754..2804, 2755..2811, 2755..2805,		

2775..2813, 2926..3018

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o1.gp	Method	AAT/GAP
Start	151	End	1873
GI	2801128	Score	551
Exons	151..221, 313..429, 1736..1873		
GI Descrip.	5360589/dbj|BAA82066.1| 3.0e-40 (AB022327) nClpP2 [Arabidopsis thaliana]		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o1.tc	Method	TBLASTX:Cress
Start	343	End	2091
GI	none	Score	146
Exons	343..387, 379..429, 1733..1894, 1737..1871, 1978..2091, 1985..2077		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o2.gs	Method	GENSCAN
Start	1724	End	16664
GI	none	Score	.73
Exons	1724..1873, 1984..2104, 2575..2802, 2925..3045, 3051..3171, 4137..4316, 4532..4714, 5721..5892, 5973..6177, 6306..6582, 6899..7060, 7164..7307, 7406..7504, 7843..7951, 8182..8374, 9341..9466, 9928..10037, 11895..12114, 12557..12680, 12788..12905, 13424..13776, 14198..14472, 14567..14687, 14726..14939, 15009..15070, 15925..16037, 16092..16362, 16590..16664		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o1.ts	Method	TBLASTX:Soybean
Start	1770	End	2106
GI	none	Score	119
Exons	1770..1871, 1772..1894, 1778..1873, 1978..2106, 1985..2077		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o2.gp	Method	AAT/GAP
Start	4159	End	5809
GI	286565	Score	802
Exons	4159..4316, 4532..4714, 5721..5809		

Seq. No.	8020	Seq. ID	OJ991121_46.9C13.C16
Gene No.	16918	Strand	-
Start	1	End	16664
Name	OJ991121_46.9C13.C16.o3.gp	Method	AAT/GAP
Start	6019	End	7057
GI	none	Score	972

Exons	6019..6166, 6364..6582, 6899..7057		
Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16919	Strand	+
Start	1	End	3776
Name	OJ991121_46.9C13.C17.o1.np	Method	AAT/NAP
Start	1	End	2855
GI	119355	Score	1144
Exons	1..57, 136..216, 291..365, 1143..1205, 1315..1395, 1520..1714, 1809..1859, 1949..2037, 2123..2174, 2258..2314, 2778..2855		
GI Descrip.	ENOLASE 1 (2-PHOSPHOGLYCERATE DEHYDRATASE 1) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE 1) gi|100869|pir||S16257 phosphopyruvate hydratase (EC 4.2.1.11) - maize gi|22273|emb|CAA39454| (X55981) enolase [Zea mays]		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16919	Strand	+
Start	1	End	3776
Name	OJ991121_46.9C13.C17.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	12339_1.R1084	Score	390
Exons	1..57, 136..216, 291..371		
GI Descrip.	'119355/sp|P26301|ENO1_MAIZE 1.0e-123 ENOLASE 1 (2-PHOSPHOGLYCERATE DEHYDRATASE 1) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE 1) >gi_100869_pir__S16257 phosphopyruvate hydratase (EC 4.2.1.11) - maize >gi_22273_emb_CAA39454_ (X55981) enolase [Zea mays]'		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16919	Strand	+
Start	1	End	3776
Name	OJ991121_46.9C13.C17.o1.gs	Method	GENSCAN
Start	52	End	3776
GI	none	Score	.69
Exons	52..57, 291..365, 1315..1395, 1520..1714, 1949..2037, 2123..2174, 2258..2314, 3519..3776		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	2893
GI	none	Score	100
Exons	1..57, 3..59, 98..214, 115..234, 127..216, 285..365, 290..367, 290..367, 1134..1211, 1142..1207, 1299..1394, 1312..1422, 1314..1409, 1502..1714, 1518..1712, 1519..1725, 1808..1861, 1808..1861, 1809..1862, 1937..2050, 1948..2043, 2120..2176, 2120..2173, 2121..2174, 2122..2175, 2249..2317, 2250..2312, 2257..2316, 2775..2858, 2843..2893		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	216
GI	none	Score	100
Exons	1..57, 3..59, 9..59, 123..215, 123..206, 125..214, 127..216		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o1.ts	Method	TBLASTX:Soybean
Start	27	End	2861
GI	none	Score	51
Exons	27..59, 27..59, 115..177, 127..177, 156..203, 175..216, 178..216, 285..356, 296..334, 299..361, 341..367, 1134..1211, 1140..1205, 1142..1207, 1312..1359, 1314..1358, 1315..1362, 1339..1395, 1362..1409, 1502..1711, 1513..1713, 1557..1715, 1806..1862, 1806..1859, 1807..1860, 1937..2050, 1947..2015, 1948..2043, 2120..2173, 2121..2174, 2122..2175, 2249..2317, 2249..2314, 2257..2316, 2775..2861		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o1.tc	Method	TBLASTX:Cress
Start	159	End	2859
GI	none	Score	95
Exons	159..209, 160..216, 285..365, 288..365, 296..367, 302..367, 1134..1211, 1142..1207, 1299..1352, 1312..1359, 1314..1358, 1339..1395, 1362..1400, 1502..1711, 1513..1605, 1518..1715, 1562..1711, 1663..1713, 1806..1862, 1806..1859, 1808..1861, 1937..2050, 1948..2043, 2120..2173, 2121..2174, 2248..2322, 2249..2317, 2775..2858, 2791..2859		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o1.tw	Method	TBLASTX:Wheat
Start	1538	End	2023
GI	none	Score	266
Exons	1538..1714, 1540..1605, 1553..1696, 1663..1713, 1808..1861, 1809..1862, 1937..2023, 1948..2022		

Seq. No.	8021	Seq. ID	OJ991121_46.9C13.C17
Gene No.	16920	Strand	-
Start	2870	End	3121
Name	OJ991121_46.9C13.C17.o2.gp	Method	AAT/GAP
Start	2870	End	3121
GI	LIB3431-008-P1-N1-B10	Score	493
Exons	2870..3121		
GI Descrip.	'5360589/dbj|BAA82066.1| 3.0e-40 (AB022327) nClpP2 [Arabidopsis thaliana]'		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16921	Strand	+
Start	2490	End	2970
Name	OJ991121_46.9C13.C18.o1.gs	Method	GENSCAN
Start	2490	End	2970
GI	none	Score	.85
Exons	2490..2625, 2662..2700, 2741..2970		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16922	Strand	-

Start	1	End	3141
Name	OJ991121_46.9C13.C18.o1.np	Method	AAT/NAP
Start	1	End	3141
GI	4586114	Score	210
Exons	1..77, 2038..2224, 3047..3141		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16923	Strand	-
Start	3804	End	5614
Name	OJ991121_46.9C13.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	2289
GI	none	Score	111
Exons	2..76, 2035..2289, 2046..2264		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16923	Strand	-
Start	3804	End	5614
Name	OJ991121_46.9C13.C18.o1.tc	Method	TBLASTX:Cress
Start	2029	End	2277
GI	none	Score	81
Exons	2029..2277, 2046..2264		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16923	Strand	-
Start	3804	End	5614
Name	OJ991121_46.9C13.C18.o1.ts	Method	TBLASTX:Soybean
Start	2035	End	2264
GI	none	Score	120
Exons	2035..2220, 2046..2264		

Seq. No.	8022	Seq. ID	OJ991121_46.9C13.C18
Gene No.	16923	Strand	-
Start	3804	End	5614
Name	OJ991121_46.9C13.C18.o2.gs	Method	GENSCAN
Start	3804	End	5614
GI	none	Score	.4
Exons	3804..3937, 4472..4652, 4921..5415, 5506..5614		

Seq. No.	8023	Seq. ID	OJ991121_46.9C13.C19
Gene No.	16924	Strand	-
Start	1	End	1207
Name	OJ991121_46.9C13.C19.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	5541717	Score	572
Exons	1..225, 336..521, 939..1061, 1160..1207		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	8023	Seq. ID	OJ991121_46.9C13.C19
Gene No.	16924	Strand	-
Start	1	End	1207
Name	OJ991121_46.9C13.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	231
GI	none	Score	182
Exons	1..231, 2..229		

Seq. No.	8023	Seq. ID	OJ991121_46.9C13.C19

Gene No.	16924	Strand	-
Start	1	End	1207
Name	OJ991121_46.9C13.C19.o1.gs	Method	GENSCAN
Start	115	End	1103
GI	none	Score	.76
Exons	115..225, 336..521, 939..1103		

Seq. No.	8024	Seq. ID	OJ991121_46.9C13.C21
Gene No.	16925	Strand	-
Start	1	End	484
Name	OJ991121_46.9C13.C21.o1.np	Method	AAT/NAP
Start	1	End	484
GI	2498930	Score	643
Exons	1..403, 449..484		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8024	Seq. ID	OJ991121_46.9C13.C21
Gene No.	16925	Strand	-
Start	1	End	484
Name	OJ991121_46.9C13.C21.o1.gs	Method	GENSCAN
Start	102	End	403
GI	none	Score	.77
Exons	102..403		

Seq. No.	8025	Seq. ID	OJ991121_47.9C30.C1
Gene No.	16926	Strand	
Start	1	End	143
Name	OJ991121_47.9C30.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	143
GI	none	Score	205
Exons	1..141, 2..142, 6..143		

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16927	Strand	-
Start	1	End	2296
Name	OJ991121_47.9C30.C2.o1.np	Method	AAT/NAP
Start	1	End	2236
GI	2493494	Score	360
Exons	1..318, 2080..2236		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) gi|619351|bbs|153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] gi|6102957|emb|CAB59202.1| (X78878) serine carboxylase II-2 [Hordeum vulgare]		

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16927	Strand	-
Start	1	End	2296
Name	OJ991121_47.9C30.C2.o1.gp	Method	AAT/GAP
Start	211	End	2296
GI	47093_1.R1084	Score	566
Exons	211..318, 2080..2296		
GI Descrip.	'2493494/sp|P55748|CP22_HORVU 9.0e-72 SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) >gi_619351_bbs_153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] >gi_6102957_emb_CAB59202.1_ (X78878) serine		

carboxylase II-2 [Hordeum vulgare]'

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16928	Strand	-
Start	2980	End	3347
Name	OJ991121_47.9C30.C2.o1.tm	Method	TBLASTX:Maize
Start	212	End	2263
GI	none	Score	117
Exons	212..319, 216..320, 216..320,	2066..2212,	2078..2263, 2079..2225

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16928	Strand	-
Start	2980	End	3347
Name	OJ991121_47.9C30.C2.o1.ts	Method	TBLASTX:Soybean
Start	212	End	2254
GI	none	Score	67
Exons	212..319, 215..283, 216..320,	2066..2212,	2078..2254, 2079..2225

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16928	Strand	-
Start	2980	End	3347
Name	OJ991121_47.9C30.C2.o1.tc	Method	TBLASTX:Cress
Start	224	End	2269
GI	none	Score	65
Exons	224..316, 245..319, 249..320,	2078..2269,	2079..2225

Seq. No.	8026	Seq. ID	OJ991121_47.9C30.C2
Gene No.	16928	Strand	-
Start	2980	End	3347
Name	OJ991121_47.9C30.C2.o2.gs	Method	GENSCAN
Start	2980	End	3347
GI	none	Score	.84
Exons	2980..3104, 3182..3347		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16929	Strand	+
Start	4332	End	4439
Name	OJ991121_47.9C30.C3.o1.np	Method	AAT/NAP
Start	4332	End	4439
GI	5922619	Score	102
Exons	4332..4439		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16930	Strand	+
Start	5306	End	6759
Name	OJ991121_47.9C30.C3.o2.gs	Method	GENSCAN
Start	5306	End	6759
GI	none	Score	.62
Exons	5306..5311, 5466..5521, 5797..5944,		6706..6759

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16931	Strand	+
Start	8338	End	16109
Name	OJ991121_47.9C30.C3.o3.gs	Method	GENSCAN

Start	8338	End	16109
GI	none	Score	.81
Exons	8338..8513, 9937..10040, 10588..10779, 11537..11640, 11732..11816, 11951..12011, 12566..12635, 13186..13243, 13316..13386, 13903..14055, 14225..14336, 14421..14562, 14665..14787, 15294..15369, 15504..15599, 15936..16109		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16932	Strand	+
Start	16456	End	16930
Name	OJ991121_47.9C30.C3.o1.gp	Method	AAT/GAP
Start	16456	End	16930
GI	none	Score	884
Exons	16456..16930		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16933	Strand	-
Start	4578	End	5061
Name	OJ991121_47.9C30.C3.o2.np	Method	AAT/NAP
Start	4578	End	5061
GI	6630699	Score	82
Exons	4578..4683, 5010..5061		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o5.tm	Method	TBLASTX:Maize
Start	6524	End	6892
GI	none	Score	234
Exons	6524..6892		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o1.tc	Method	TBLASTX:Cress
Start	8329	End	8511
GI	none	Score	189
Exons	8329..8511, 8442..8495		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o2.ts	Method	TBLASTX:Soybean
Start	8329	End	10733
GI	none	Score	208
Exons	8329..8514, 8442..8495, 9936..10013, 10580..10732, 10596..10733		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o6.tm	Method	TBLASTX:Maize
Start	8338	End	8463
GI	none	Score	226
Exons	8338..8463		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o3.ts	Method	TBLASTX:Soybean
Start	11532	End	11991
GI	none	Score	119
Exons	11532..11657, 11539..11637, 11731..11796, 11732..11815, 11734..11817, 11943..11975, 11944..11979, 11971..11991		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o3.tm	Method	TBLASTX:Maize
Start	11589	End	14561
GI	none	Score	94
Exons	11589..11657, 11590..11640, 11723..11818, 11724..11816, 11729..11818, 11932..11991, 11936..12004, 11948..12004, 11949..12014, 11949..12011, 12314..12436, 12333..12467, 12336..12467, 12337..12468, 12550..12597, 12560..12634, 12562..12639, 12564..12635, 13153..13242, 13156..13245, 13185..13244, 13317..13385, 13328..13384, 13329..13385, 13330..13386, 13330..13386, 13902..14054, 13903..14055, 13903..14064, 14215..14325, 14223..14348, 14225..14338, 14229..14348, 14420..14560, 14421..14561		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o4.tm	Method	TBLASTX:Maize
Start	15303	End	15831
GI	none	Score	86
Exons	15303..15368, 15303..15368, 15304..15369, 15304..15372, 15503..15598, 15504..15602, 15507..15599, 15702..15830, 15702..15827, 15703..15831		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o1.tm	Method	TBLASTX:Maize
Start	16503	End	17347
GI	none	Score	159
Exons	16503..16562, 16764..16919, 16764..16907, 16769..16936, 16883..17299, 16980..17294, 16980..17339, 16981..17304, 17297..17347		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o4.np	Method	AAT/NAP
Start	16766	End	17942
GI	5725442	Score	230
Exons	16766..17157, 17191..17334, 17490..17942		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-

Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o1.ts	Method	TBLASTX:Soybean
Start	16773	End	17941
GI	none	Score	83
Exons	16773..16877, 16778..16876, 17015..17083, 17093..17302, 17100..17291, 17708..17941		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o4.gs	Method	GENSCAN
Start	16775	End	17846
GI	none	Score	.85
Exons	16775..17346, 17659..17846		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o3.np	Method	AAT/NAP
Start	16784	End	17942
GI	4115371	Score	255
Exons	16784..17175, 17220..17346, 17740..17942		
GI Descrip.	(AC005967) unknown protein [Arabidopsis thaliana]		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o2.gp	Method	AAT/GAP
Start	17206	End	17942
GI	52996_1.R1084	Score	801
Exons	17206..17346, 17659..17942		
GI Descrip.	'5725442/emb|CAB52451.1| 3.0e-65 (AL109787) putative protein [Arabidopsis thaliana]'		

Seq. No.	8027	Seq. ID	OJ991121_47.9C30.C3
Gene No.	16934	Strand	-
Start	16775	End	17942
Name	OJ991121_47.9C30.C3.o2.tm	Method	TBLASTX:Maize
Start	17657	End	17941
GI	none	Score	97
Exons	17657..17788, 17668..17772, 17679..17789, 17777..17941, 17778..17897, 17780..17938		

Seq. No.	8028	Seq. ID	OJ991121_47.9C30.C4
Gene No.	16935	Strand	-
Start	1	End	1393
Name	OJ991121_47.9C30.C4.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	5725442	Score	413
Exons	1..49, 525..631, 712..888, 1331..1393		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	8028	Seq. ID	OJ991121_47.9C30.C4
Gene No.	16935	Strand	-
Start	1	End	1393
Name	OJ991121_47.9C30.C4.o1.tm	Method	TBLASTX:Maize
Start	523	End	1391

GI	none	Score	145
Exons	523..630, 524..631, 525..632, 525..632, 706..894, 715..888, 716..895, 720..926, 1313..1390, 1314..1391		

Seq. No.	8028	Seq. ID	OJ991121_47.9C30.C4
Gene No.	16935	Strand	-
Start	1	End	1393
Name	OJ991121_47.9C30.C4.o1.ts	Method	TBLASTX:Soybean
Start	524	End	1391
GI	none	Score	128
Exons	524..631, 525..620, 706..888, 710..886, 712..888, 1313..1390, 1314..1391		

Seq. No.	8028	Seq. ID	OJ991121_47.9C30.C4
Gene No.	16935	Strand	-
Start	1	End	1393
Name	OJ991121_47.9C30.C4.o1.gp	Method	AAT/GAP
Start	525	End	897
GI	52996_1.R1084	Score	490
Exons	525..631, 712..897		
GI Descrip.	'5725442/emb|CAB52451.1| 3.0e-65 (AL109787) putative protein [Arabidopsis thaliana]'		

Seq. No.	8028	Seq. ID	OJ991121_47.9C30.C4
Gene No.	16935	Strand	-
Start	1	End	1393
Name	OJ991121_47.9C30.C4.o1.gs	Method	GENSCAN
Start	712	End	1334
GI	none	Score	1
Exons	712..885, 1329..1334		

Seq. No.	8029	Seq. ID	OJ991121_47.9C30.C5
Gene No.	16936	Strand	-
Start	1	End	242
Name	OJ991121_47.9C30.C5.o1.gp	Method	AAT/GAP
Start	1	End	242
GI	none	Score	452
Exons	1..242		

Seq. No.	8029	Seq. ID	OJ991121_47.9C30.C5
Gene No.	16937	Strand	-
Start	1191	End	1518
Name	OJ991121_47.9C30.C5.o2.gp	Method	AAT/GAP
Start	1191	End	1518
GI	none	Score	558
Exons	1191..1518		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16938	Strand	+
Start	2368	End	6480
Name	OJ991121_47.9C30.C6.o3.np	Method	AAT/NAP
Start	2368	End	4198
GI	6041855	Score	50
Exons	2368..2498, 4123..4198		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6

Gene No.	16938	Strand	+
Start	2368	End	6480
Name	OJ991121_47.9C30.C6.o2.np	Method	AAT/NAP
Start	3236	End	5597
GI	5922634	Score	97
Exons	3236..3364, 5567..5597		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16938	Strand	+
Start	2368	End	6480
Name	OJ991121_47.9C30.C6.o3.gs	Method	GENSCAN
Start	3865	End	6480
GI	none	Score	.44
Exons	3865..4141, 4309..4410, 4494..4838, 5377..5478, 6281..6480		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16939	Strand	-
Start	1	End	3426
Name	OJ991121_47.9C30.C6.o1.np	Method	AAT/NAP
Start	1	End	2262
GI	6453870	Score	686
Exons	1..52, 253..413, 501..605, 854..1113, 1887..2262		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16939	Strand	-
Start	1	End	3426
Name	OJ991121_47.9C30.C6.o1.gs	Method	GENSCAN
Start	510	End	1353
GI	none	Score	.92
Exons	510..626, 854..1070, 1268..1353		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16939	Strand	-
Start	1	End	3426
Name	OJ991121_47.9C30.C6.o1.gp	Method	AAT/GAP
Start	512	End	2227
GI	21247_1.R1084	Score	1327
Exons	512..605, 854..1113, 1887..2227		
GI Descrip.	'4263714/gb|AAD15400| 1.0e-17 (AC006223) putative integral membrane protein [Arabidopsis thaliana]'		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16939	Strand	-
Start	1	End	3426
Name	OJ991121_47.9C30.C6.o2.gs	Method	GENSCAN
Start	1846	End	3426
GI	none	Score	.93
Exons	1846..2405, 3330..3426		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16940	Strand	-
Start	4281	End	4987
Name	OJ991121_47.9C30.C6.o1.tm	Method	TBLASTX:Maize

Start	2	End	591
GI	none	Score	69
Exons	2..91, 3..53, 249..314, 253..315, 253..315, 303..389, 316..390, 319..390, 386..424, 390..428, 396..422, 502..591, 513..590		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16940	Strand	-
Start	4281	End	4987
Name	OJ991121_47.9C30.C6.o1.tc	Method	TBLASTX:Cress
Start	1966	End	2164
GI	none	Score	115
Exons	1966..2163, 1967..2164		

Seq. No.	8030	Seq. ID	OJ991121_47.9C30.C6
Gene No.	16940	Strand	-
Start	4281	End	4987
Name	OJ991121_47.9C30.C6.o4.np	Method	AAT/NAP
Start	4281	End	4987
GI	4581143	Score	131
Exons	4281..4630, 4911..4987		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16941	Strand	+
Start	4385	End	8304
Name	OJ991121_47.9C30.C7.o2.gs	Method	GENSCAN
Start	4385	End	8304
GI	none	Score	.71
Exons	4385..4704, 5133..5825, 6298..6433, 6526..6678, 6787..6930, 7026..7167, 7200..7354, 7455..7577, 7992..8049, 8126..8304		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16941	Strand	+
Start	4385	End	8304
Name	OJ991121_47.9C30.C7.o2.np	Method	AAT/NAP
Start	5089	End	8304
GI	6729350	Score	3063
Exons	5089..5825, 6298..6433, 6526..6678, 6787..6930, 7026..7177, 7255..7354, 7455..7577, 7678..7839, 7992..8049, 8126..8304		
GI Descrip.	(AB037135) origin recognition complex 1 [Oryza sativa]		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	LIB3432-053-P1-K1-B7	Score	435
Exons	1..249		
GI Descrip.	'4521249/dbj|BAA76297.1| 3.0e-11 (AB013912) DNA helicase [Mus musculus]'		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o1.np	Method	AAT/NAP
Start	36	End	3232
GI	6723428	Score	1678

Exons	36..699, 2445..2731, 2765..3232		
GI Descrip.	(AL132965) RuvB DNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o1.gs	Method	GENSCAN
Start	57	End	3646
GI	none	Score	.9
Exons	57..699, 2445..3284, 3420..3646		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o1.ts	Method	TBLASTX:Soybean
Start	67	End	2645
GI	none	Score	351
Exons	67..498, 68..445, 72..485, 429..758, 465..581, 490..702, 2431..2535, 2444..2548, 2448..2549, 2454..2564, 2501..2644, 2514..2645		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o2.tm	Method	TBLASTX:Maize
Start	70	End	692
GI	none	Score	798
Exons	70..687, 72..692, 635..691		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o3.tc	Method	TBLASTX:Cress
Start	71	End	315
GI	none	Score	119
Exons	71..235, 94..282, 96..314, 96..314, 97..315		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o4.tc	Method	TBLASTX:Cress
Start	324	End	552
GI	none	Score	94
Exons	324..551, 382..552		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o4.tm	Method	TBLASTX:Maize
Start	2440	End	2738
GI	none	Score	212
Exons	2440..2616, 2444..2734, 2447..2632, 2448..2729, 2661..2738, 2681..2734		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646

Name	OJ991121_47.9C30.C7.o2.tc	Method	TBLASTX:Cress
Start	2516	End	2734
GI	none	Score	201
Exons	2516..2734, 2517..2729		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o2.ts	Method	TBLASTX:Soybean
Start	2847	End	3217
GI	none	Score	365
Exons	2847..3212, 2852..3217, 3059..3214		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o3.tm	Method	TBLASTX:Maize
Start	2847	End	3238
GI	none	Score	465
Exons	2847..3212, 2852..3238, 3047..3235		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o1.tc	Method	TBLASTX:Cress
Start	2864	End	3217
GI	none	Score	234
Exons	2864..3217, 2871..3212		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16942	Strand	-
Start	1	End	3646
Name	OJ991121_47.9C30.C7.o2.gp	Method	AAT/GAP
Start	2992	End	3330
GI	uC-osroM202005h07b1	Score	513
Exons	2992..3330		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	8031	Seq. ID	OJ991121_47.9C30.C7
Gene No.	16943	Strand	
Start	5577	End	8282
Name	OJ991121_47.9C30.C7.o1.tm	Method	TBLASTX:Maize
Start	5577	End	8282
GI	none	Score	93
Exons	5577..5639, 5578..5637, 5638..5703, 5640..5825, 5680..5823, 5777..5833, 6292..6432, 6295..6432, 6296..6451, 6520..6678, 6523..6687, 6767..6937, 6785..6919, 7006..7194, 7010..7177, 7032..7184, 7249..7362, 7253..7354, 7454..7579, 7455..7580, 7675..7845, 7677..7838, 7991..8053, 7992..8051, 8123..8272, 8124..8273, 8124..8282, 8125..8280		

Seq. No.	8032	Seq. ID	OJ991121_47.9C30.C8
Gene No.	16944	Strand	+
Start	197	End	1757
Name	OJ991121_47.9C30.C8.o1.gp	Method	AAT/GAP
Start	197	End	1690

GI	571689	Score	586
Exons	197..317, 482..552, 806..901, 1642..1690		
GI Descrip.	2244826/emb|CAB10249.1| 9.0e-31 (Z97336) replication control protein 1 like [Arabidopsis thaliana]		

Seq. No.	8032	Seq. ID	OJ991121_47.9C30.C8
Gene No.	16944	Strand	+
Start	197	End	1757
Name	OJ991121_47.9C30.C8.o1.gs	Method	GENSCAN
Start	209	End	1375
GI	none	Score	.82
Exons	209..317, 482..552, 806..901, 1235..1375		

Seq. No.	8032	Seq. ID	OJ991121_47.9C30.C8
Gene No.	16944	Strand	+
Start	197	End	1757
Name	OJ991121_47.9C30.C8.o1.np	Method	AAT/NAP
Start	209	End	1757
GI	6729350	Score	455
Exons	209..317, 482..552, 806..901, 1642..1757		
GI Descrip.	(AB037135) origin recognition complex 1 [Oryza sativa]		

Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16945	Strand	+
Start	961	End	4009
Name	OJ991121_47.9C30.C9.o1.gs	Method	GENSCAN
Start	961	End	3368
GI	none	Score	.82
Exons	961..1044, 1461..1585, 2401..2498, 2617..2924, 3010..3145, 3345..3368		

Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16945	Strand	+
Start	961	End	4009
Name	OJ991121_47.9C30.C9.o1.np	Method	AAT/NAP
Start	961	End	1486
GI	5823573	Score	131
Exons	961..1044, 1426..1486		
GI Descrip.	(AL049730) origin recognition complex subunit 1-like protein [Arabidopsis thaliana]		

Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16945	Strand	+
Start	961	End	4009
Name	OJ991121_47.9C30.C9.o2.np	Method	AAT/NAP
Start	2749	End	4009
GI	6634778	Score	496
Exons	2749..2946, 3020..3145, 3558..3649, 3723..3846, 3944..4009		
GI Descrip.	(AC009917) Contains similarity to gi|629253 lmbW protein from Streptomyces lincolnensis. [Arabidopsis thaliana]		

Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o2.gs	Method	GENSCAN
Start	5059	End	6362
GI	none	Score	.84

Exons	5059..5440, 5851..6362		
Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o3.np	Method	AAT/NAP
Start	5077	End	6419
GI	3193316	Score	1195
Exons	5077..5440, 5851..6419		
GI Descrip.	(AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]		
Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o1.ts	Method	TBLASTX:Soybean
Start	5084	End	6419
GI	none	Score	257
Exons	5084..5341, 5086..5442, 5408..5443, 5847..5963, 5850..6419, 5851..6417		
Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o1.tm	Method	TBLASTX:Maize
Start	5086	End	6233
GI	none	Score	295
Exons	5086..5442, 5087..5341, 5402..5440, 5847..5963, 5850..6233, 5854..6228		
Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o1.tc	Method	TBLASTX:Cress
Start	5098	End	6365
GI	none	Score	158
Exons	5098..5304, 5099..5305, 5305..5442, 5306..5326, 5408..5440, 5850..6365, 5899..6354		
Seq. No.	8033	Seq. ID	OJ991121_47.9C30.C9
Gene No.	16946	Strand	-
Start	5059	End	6419
Name	OJ991121_47.9C30.C9.o2.tm	Method	TBLASTX:Maize
Start	6234	End	6419
GI	none	Score	175
Exons	6234..6344, 6235..6342, 6331..6417, 6342..6419		
Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16947	Strand	+
Start	1968	End	4714
Name	OJ991121_47.9C30.C10.o2.gs	Method	GENSCAN
Start	1968	End	4690
GI	none	Score	.71
Exons	1968..2199, 2366..2676, 3215..3388, 3670..3814, 4177..4690		
Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16947	Strand	+

Start	1968	End	4714
Name	OJ991121_47.9C30.C10.o1.np	Method	AAT/NAP
Start	4182	End	4714
GI	4185131	Score	396
Exons	4182..4400, 4431..4714		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16948	Strand	-
Start	18	End	190
Name	OJ991121_47.9C30.C10.o2.tm	Method	TBLASTX:Maize
Start	2	End	154
GI	none	Score	109
Exons	2..127, 6..104, 116..154		

Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16948	Strand	-
Start	18	End	190
Name	OJ991121_47.9C30.C10.o1.gs	Method	GENSCAN
Start	18	End	190
GI	none	Score	.97
Exons	18..190		

Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16949	Strand	
Start	4442	End	4714
Name	OJ991121_47.9C30.C10.o1.tm	Method	TBLASTX:Maize
Start	4442	End	4709
GI	none	Score	86
Exons	4442..4627, 4482..4553, 4538..4708, 4539..4709		

Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16949	Strand	
Start	4442	End	4714
Name	OJ991121_47.9C30.C10.o1.ts	Method	TBLASTX:Soybean
Start	4463	End	4714
GI	none	Score	85
Exons	4463..4546, 4482..4547, 4565..4714, 4566..4712		

Seq. No.	8034	Seq. ID	OJ991121_47.9C30.C10
Gene No.	16949	Strand	
Start	4442	End	4714
Name	OJ991121_47.9C30.C10.o1.tc	Method	TBLASTX:Cress
Start	4545	End	4706
GI	none	Score	185
Exons	4545..4706		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16950	Strand	+
Start	54	End	630
Name	OJ991121_47.9C30.C11.o1.gs	Method	GENSCAN
Start	54	End	630
GI	none	Score	.71
Exons	54..630		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11

Gene No.	16951	Strand	+
Start	11583	End	15247
Name	OJ991121_47.9C30.C11.o4.np	Method	AAT/NAP
Start	11583	End	15247
GI	6016874	Score	96
Exons	11583..11618, 13695..13885, 15195..15247		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16952	Strand	+
Start	18250	End	20464
Name	OJ991121_47.9C30.C11.o6.np	Method	AAT/NAP
Start	18250	End	20464
GI	4572679	Score	444
Exons	18250..18338, 19071..19159, 19640..19874, 20310..20464		
GI Descrip.	(AC006954) putative RSZp22 splicing factor [Arabidopsis thaliana]		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16952	Strand	+
Start	18250	End	20464
Name	OJ991121_47.9C30.C11.o2.gp	Method	AAT/GAP
Start	18255	End	20373
GI	LIB3433-037-P1-K1-F2	Score	835
Exons	18255..18338, 19071..19159, 19640..19874, 20313..20373		
GI Descrip.	'3435096/gb|AAD12770.1| 1.0e-20 (AF033587) SRZ21 [Arabidopsis thaliana]'		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16953	Strand	+
Start	20972	End	21559
Name	OJ991121_47.9C30.C11.o3.gp	Method	AAT/GAP
Start	20972	End	21559
GI	uC-osroM202020e06a1	Score	919
Exons	20972..21184, 21284..21559		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16954	Strand	+
Start	22419	End	22666
Name	OJ991121_47.9C30.C11.o4.gp	Method	AAT/GAP
Start	22419	End	22666
GI	3761181	Score	439
Exons	22419..22666		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16955	Strand	+
Start	24388	End	32349
Name	OJ991121_47.9C30.C11.o4.gs	Method	GENSCAN
Start	24388	End	31561
GI	none	Score	.72
Exons	24388..24517, 26380..26479, 27154..27652, 28011..28223,		

28362..28627, 28877..28988, 29935..30171, 30929..31561

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16955	Strand	+
Start	24388	End	32349
Name	OJ991121_47.9C30.C11.o7.np	Method	AAT/NAP
Start	27185	End	32349
GI	4572671	Score	1767
Exons	27185..27652, 28011..28223, 28362..28648, 28877..28988, 29935..30171, 30911..31420, 32180..32349		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16955	Strand	+
Start	24388	End	32349
Name	OJ991121_47.9C30.C11.o5.gp	Method	AAT/GAP
Start	30074	End	31203
GI	LIB3433-057-P1-K1-F8	Score	722
Exons	30074..30171, 30911..31203		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 2.0e-56 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16956	Strand	-
Start	8082	End	8686
Name	OJ991121_47.9C30.C11.o2.np	Method	AAT/NAP
Start	8082	End	8686
GI	2501499	Score	310
Exons	8082..8686		
GI Descrip.	INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5'-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) gi|626043|pir||A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize gi|548195 (L34847) IAA-glu synthetase [Zea mays]		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542
Name	OJ991121_47.9C30.C11.o2.ts	Method	TBLASTX:Soybean
Start	6701	End	8999
GI	none	Score	98
Exons	6701..6841, 8307..8522, 8356..8490, 8526..8645, 8670..8786, 8817..8900, 8943..8999		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542
Name	OJ991121_47.9C30.C11.o4.tm	Method	TBLASTX:Maize
Start	6701	End	8645
GI	none	Score	105
Exons	6701..6838, 8313..8489, 8356..8493, 8538..8645		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542

Name	OJ991121_47.9C30.C11.o2.tw	Method	TBLASTX:Wheat
Start	6701	End	8594
GI	none	Score	74
Exons	6701..6841, 6768..6863, 6827..6883, 8307..8498, 8356..8499, 8538..8594		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542
Name	OJ991121_47.9C30.C11.o2.tc	Method	TBLASTX:Cress
Start	6740	End	8648
GI	none	Score	78
Exons	6740..6838, 8307..8489, 8356..8472, 8523..8648		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542
Name	OJ991121_47.9C30.C11.o1.tw	Method	TBLASTX:Wheat
Start	8595	End	8874
GI	none	Score	63
Exons	8595..8693, 8715..8873, 8742..8846, 8743..8874		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16957	Strand	-
Start	15466	End	15542
Name	OJ991121_47.9C30.C11.o1.gp	Method	AAT/GAP
Start	15466	End	15542
GI	2312838	Score	70
Exons	15466..15542		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16958	Strand	
Start	18244	End	20825
Name	OJ991121_47.9C30.C11.o6.tm	Method	TBLASTX:Maize
Start	18244	End	20825
GI	none	Score	142
Exons	18244..18336, 18244..18333, 18245..18334, 18246..18338, 19066..19152, 19067..19159, 19068..19160, 19636..19767, 19640..19876, 19641..19808, 20250..20351, 20315..20350, 20349..20420, 20357..20419, 20357..20431, 20362..20466, 20665..20754, 20665..20688, 20774..20821, 20778..20825		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o2.tm	Method	TBLASTX:Maize
Start	27176	End	28061
GI	none	Score	44
Exons	27176..27235, 27205..27252, 27230..27307, 27232..27309, 27348..27563, 27350..27655, 27350..27652, 27938..28054, 27993..28061, 27996..28061		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558

Name	OJ991121_47.9C30.C11.o3.ts	Method	TBLASTX:Soybean
Start	27271	End	27522
GI	none	Score	254
Exons	27271..27522, 27272..27520		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o1.tc	Method	TBLASTX:Cress
Start	27284	End	31396
GI	none	Score	111
Exons	27284..27406, 27287..27397, 27418..27531, 27419..27538, 27547..27651, 27548..27655, 27996..28226, 28065..28226, 28168..28242, 28358..28432, 28362..28433, 28527..28631, 28535..28561, 28569..28646, 28607..28654, 28874..28987, 28875..28988, 29933..30145, 29935..30180, 29940..30116, 30883..31380, 30910..31347, 30911..31396		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o4.ts	Method	TBLASTX:Soybean
Start	27996	End	28436
GI	none	Score	205
Exons	27996..28223, 28365..28436		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o5.tm	Method	TBLASTX:Maize
Start	28361	End	28955
GI	none	Score	102
Exons	28361..28426, 28362..28433, 28434..28490, 28527..28655, 28545..28646, 28546..28647, 28862..28951, 28874..28954, 28875..28955		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o3.tm	Method	TBLASTX:Maize
Start	28955	End	30174
GI	none	Score	212
Exons	28955..28987, 29932..30171, 29933..30172, 29935..30174		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o1.ts	Method	TBLASTX:Soybean
Start	29931	End	31558
GI	none	Score	84
Exons	29931..30074, 29932..30174, 29932..30168, 30910..31347, 30911..31402, 30917..31405, 30922..31407, 31469..31558		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o3.tw	Method	TBLASTX:Wheat

Start	30022	End	31108
GI	none	Score	160
Exons	30022..30180, 30910..31095, 30911..31096, 30914..31108		

Seq. No.	8035	Seq. ID	OJ991121_47.9C30.C11
Gene No.	16959	Strand	
Start	27176	End	31558
Name	OJ991121_47.9C30.C11.o1.tm	Method	TBLASTX:Maize
Start	30939	End	31549
GI	none	Score	124
Exons	30939..31094, 30940..31350, 30941..31459, 30941..31441, 31478..31549, 31492..31521		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16960	Strand	+
Start	1	End	2830
Name	OJ991201_08.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	2495
GI	6358765	Score	1317
Exons	1..52, 192..512, 850..1976, 2010..2495		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16960	Strand	+
Start	1	End	2830
Name	OJ991201_08.9C23.C2.o1.gs	Method	GENSCAN
Start	300	End	2507
GI	none	Score	.93
Exons	300..512, 850..2507		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16960	Strand	+
Start	1	End	2830
Name	OJ991201_08.9C23.C2.o1.gp	Method	AAT/GAP
Start	1528	End	2138
GI	none	Score	1098
Exons	1528..2138		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16960	Strand	+
Start	1	End	2830
Name	OJ991201_08.9C23.C2.o2.gp	Method	AAT/GAP
Start	2208	End	2830
GI	none	Score	1027
Exons	2208..2830		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16961	Strand	+
Start	17147	End	18384
Name	OJ991201_08.9C23.C2.o4.gs	Method	GENSCAN
Start	17147	End	18384
GI	none	Score	.44
Exons	17147..17317, 17860..18051, 18148..18384		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16962	Strand	+
Start	18748	End	18887

Name	OJ991201_08.9C23.C2.o5.gp	Method	AAT/GAP
Start	18748	End	18887
GI	5455469	Score	242
Exons	18748..18887		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16963	Strand	+
Start	20163	End	20270
Name	OJ991201_08.9C23.C2.o6.gp	Method	AAT/GAP
Start	20163	End	20270
GI	LIB3432-043-P1-K1-H9	Score	143
Exons	20163..20270		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16964	Strand	-
Start	2208	End	2830
Name	OJ991201_08.9C23.C2.o3.gp	Method	AAT/GAP
Start	2208	End	2830
GI	none	Score	1026
Exons	2208..2830		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16965	Strand	-
Start	3054	End	8179
Name	OJ991201_08.9C23.C2.o4.gp	Method	AAT/GAP
Start	3054	End	4655
GI	42705_1.R1084	Score	1665
Exons	3054..3754, 4470..4655		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16965	Strand	-
Start	3054	End	8179
Name	OJ991201_08.9C23.C2.o2.gs	Method	GENSCAN
Start	3668	End	8179
GI	none	Score	.72
Exons	3668..3754, 4470..4661, 5064..5129, 5269..5442, 5532..6148,		

6466..6493, 6604..6642, 7346..7504, 7840..7938, 8123..8179

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16965	Strand	-
Start	3054	End	8179
Name	OJ991201_08.9C23.C2.o2.np	Method	AAT/NAP
Start	4035	End	7262
GI	3096922	Score	257
Exons	4035..4147, 4653..4814, 4913..4981, 5064..5129, 5218..5351, 7234..7262		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16966	Strand	-
Start	9242	End	17304
Name	OJ991201_08.9C23.C2.o3.gs	Method	GENSCAN
Start	9242	End	15694
GI	none	Score	.62
Exons	9242..9511, 9736..9864, 9943..9990, 10462..10552, 11382..11513, 12012..12232, 12307..12442, 13267..13523, 13776..13970, 14366..14515, 14632..14716, 15439..15600, 15654..15694		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16966	Strand	-
Start	9242	End	17304
Name	OJ991201_08.9C23.C2.o3.np	Method	AAT/NAP
Start	9248	End	17304
GI	3242729	Score	1880
Exons	9248..9511, 9736..9864, 9943..9990, 10462..10552, 11382..11513, 12012..12270, 12331..12442, 13267..13913, 14054..14162, 14232..14279, 14366..14515, 14632..14716, 15439..15600, 16391..16710, 16819..16920, 17251..17304		
GI Descrip.	(AC003040) curly leaf protein (polycomb-group) [Arabidopsis thaliana]		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o7.tm	Method	TBLASTX:Maize
Start	1197	End	1343
GI	none	Score	214
Exons	1197..1343, 1197..1322		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	1344	End	2000
GI	none	Score	628
Exons	1344..1814, 1344..1811, 1346..1879, 1782..1895, 1786..1845, 1812..1949, 1814..1915, 1905..2000, 1938..1958, 1958..1987		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	4548	End	5316

GI	none	Score	89
Exons	4548..4643, 4548..4640, 4740..4817, 4744..4815, 4909..4977, 4913..4981, 4915..4977, 5025..5132, 5064..5129, 5215..5316, 5216..5314, 5218..5316		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o3.tc	Method	TBLASTX:Cress
Start	4723	End	5325
GI	none	Score	63
Exons	4723..4815, 4743..4817, 4913..4981, 4914..4982, 5025..5132, 5059..5130, 5215..5325, 5216..5314		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o6.tm	Method	TBLASTX:Maize
Start	4743	End	5299
GI	none	Score	44
Exons	4743..4817, 4899..4982, 4913..4981, 5059..5121, 5061..5132, 5218..5298, 5219..5299		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	4776	End	5290
GI	none	Score	59
Exons	4776..4817, 4913..4981, 4915..4983, 4915..4986, 5059..5127, 5061..5132, 5218..5289, 5219..5290		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	9246	End	12231
GI	none	Score	324
Exons	9246..9524, 9246..9512, 9248..9514, 9388..9543, 9721..9870, 9736..9870, 9737..9871, 9938..9991, 9943..9993, 10459..10551, 10460..10552, 10461..10553, 10462..10554, 11377..11514, 11379..11519, 11381..11518, 12006..12134, 12009..12131, 12011..12142, 12129..12230, 12132..12227, 12145..12231, 12163..12231		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	9248	End	9515
GI	none	Score	45
Exons	9248..9292, 9249..9290, 9282..9509, 9284..9514, 9303..9515, 9317..9514		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367

Name	OJ991201_08.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	9279	End	16728
GI	none	Score	267
Exons	9279..9509, 9284..9514, 9312..9524, 9388..9513, 9712..9870, 9743..9865, 9938..9991, 9943..9993, 10441..10545, 10459..10548, 10460..10549, 11384..11518, 11385..11519, 11385..11552, 12011..12175, 12012..12218, 12015..12218, 12328..12435, 12355..12444, 14097..14132, 14232..14279, 14355..14423, 14387..14425, 15449..15604, 15507..15611, 15516..15602, 15517..15612, 16357..16503, 16606..16728		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	9733	End	12113
GI	none	Score	187
Exons	9733..9870, 9734..9865, 9739..9867, 9938..9991, 9943..9993, 10436..10543, 10437..10544, 10442..10555, 10459..10551, 11359..11511, 11384..11518, 11385..11519, 12003..12113, 12011..12112		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o3.tm	Method	TBLASTX:Maize
Start	13267	End	13545
GI	none	Score	308
Exons	13267..13545, 13268..13381, 13269..13538		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o5.tm	Method	TBLASTX:Maize
Start	13546	End	13845
GI	none	Score	262
Exons	13546..13845, 13546..13611, 13551..13760, 13598..13837, 13630..13845		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o4.tm	Method	TBLASTX:Maize
Start	14635	End	16906
GI	none	Score	89
Exons	14635..14724, 14635..14724, 15437..15610, 15439..15609, 16357..16458, 16358..16453, 16389..16478, 16463..16507, 16488..16712, 16507..16719, 16508..16615, 16554..16712, 16576..16713, 16819..16905, 16823..16906		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	18750	End	18886
GI	none	Score	215
Exons	18750..18878, 18751..18885, 18752..18886		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o4.tc	Method	TBLASTX:Cress
Start	20563	End	20681
GI	none	Score	173
Exons	20563..20679, 20569..20679, 20571..20681		

Seq. No.	8036	Seq. ID	OJ991201_08.9C23.C2
Gene No.	16967	Strand	-
Start	21236	End	21367
Name	OJ991201_08.9C23.C2.o7.gp	Method	AAT/GAP
Start	21236	End	21367
GI	3767421	Score	233
Exons	21236..21367		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16968	Strand	+
Start	6420	End	7748
Name	OJ991201_08.9C23.C3.o2.gs	Method	GENSCAN
Start	6420	End	7748
GI	none	Score	.89
Exons	6420..6478, 6607..6681, 6722..6872, 7086..7748		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16969	Strand	+
Start	12807	End	16618
Name	OJ991201_08.9C23.C3.o1.gp	Method	AAT/GAP
Start	12751	End	13889
GI	17186_1.R1084	Score	1209
Exons	12751..13040, 13167..13358, 13717..13889		
GI Descrip.	'1620371/emb|CAA70035| 3.0e-65 (Y08782) peroxidase ATP23a [Arabidopsis thaliana]'		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16969	Strand	+
Start	12807	End	16618
Name	OJ991201_08.9C23.C3.o3.gs	Method	GENSCAN
Start	12807	End	16618
GI	none	Score	.72
Exons	12807..13040, 13167..13358, 13717..13882, 14295..14669, 14776..14860, 15884..16055, 16331..16618		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16969	Strand	+
Start	12807	End	16618
Name	OJ991201_08.9C23.C3.o2.np	Method	AAT/NAP
Start	12825	End	14704
GI	1620371	Score	879
Exons	12825..13040, 13167..13358, 13717..13882, 14295..14704		
GI Descrip.	(Y08782) peroxidase ATP23a [Arabidopsis thaliana] gi|6358761|gb|AAF07343.1|AC011665_2 (AC011665) peroxidase ATP23a [Arabidopsis thaliana] gi|6524176|gb|AAF15061.1|AC011914_3 (AC011914) peroxidase ATP23a [Arabidopsis thaliana]		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3

Gene No.	16969	Strand	+
Start	12807	End	16618
Name	OJ991201_08.9C23.C3.o2.gp	Method	AAT/GAP
Start	14469	End	14906
GI	93859_1.R1084	Score	842
Exons	14469..14906		
GI Descrip.	'2462749 5.0e-43 (AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16970	Strand	-
Start	1525	End	4377
Name	OJ991201_08.9C23.C3.o1.gs	Method	GENSCAN
Start	1525	End	4337
GI	none	Score	.81
Exons	1525..1586, 2623..2962, 3600..4337		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16970	Strand	-
Start	1525	End	4377
Name	OJ991201_08.9C23.C3.o1.np	Method	AAT/NAP
Start	2606	End	4377
GI	1507699	Score	638
Exons	2606..2962, 3591..3745, 3803..3938, 3993..4377		
GI Descrip.	(L81119) COL2 [Arabidopsis thaliana] gi|1507701 (L81120) COL2 [Arabidopsis thaliana] gi|6957702|gb|AAF32446.1| (AC021640) COL2 [Arabidopsis thaliana]		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16971	Strand	-
Start	17115	End	17443
Name	OJ991201_08.9C23.C3.o3.gp	Method	AAT/GAP
Start	17115	End	17443
GI	4715219	Score	594
Exons	17115..17443		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-24 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	2456	End	2954
GI	none	Score	34
Exons	2456..2503, 2596..2637, 2597..2638, 2603..2653, 2604..2648, 2636..2683, 2636..2692, 2679..2864, 2680..2754, 2684..2860, 2818..2865, 2858..2893, 2876..2911, 2911..2946, 2913..2954		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	2603	End	4292
GI	none	Score	178
Exons	2603..2959, 2613..2861, 2907..2960, 3807..3878, 4197..4292, 4197..4289, 4198..4290		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	2642	End	2974
GI	none	Score	122
Exons	2642..2845, 2664..2822, 2912..2974		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o5.tm	Method	TBLASTX:Maize
Start	7749	End	11082
GI	none	Score	113
Exons	7749..7859, 8200..8277, 8350..8535, 10537..10764, 10765..10962, 10972..11082		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	12804	End	14701
GI	none	Score	121
Exons	12804..13040, 12917..13039, 13161..13361, 13166..13312, 13708..13797, 14288..14347, 14432..14548, 14669..14701		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	12878	End	14515
GI	none	Score	252
Exons	12878..13036, 12888..13040, 12888..13046, 12889..13047, 13157..13315, 13161..13361, 13162..13359, 13679..13882, 13707..13883, 13708..13884, 14279..14410, 14290..14514, 14294..14515		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	12903	End	14727
GI	none	Score	162
Exons	12903..13040, 12926..13036, 12945..13043, 13161..13361, 13166..13312, 13716..13883, 13717..13884, 14269..14421, 14270..14437, 14432..14659, 14464..14652, 14648..14707, 14656..14727		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o2.tw	Method	TBLASTX:Wheat
Start	12903	End	13352
GI	none	Score	105
Exons	12903..13040, 12941..13036, 13157..13246, 13161..13238, 13242..13352, 13245..13334		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o4.tm	Method	TBLASTX:Maize
Start	14515	End	14707
GI	none	Score	303
Exons	14515..14706, 14516..14707		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	17532	End	17891
GI	none	Score	91
Exons	17532..17612, 17539..17613, 17718..17891, 17722..17844		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	17536	End	17891
GI	none	Score	99
Exons	17536..17613, 17538..17612, 17715..17891, 17722..17865		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	17541	End	17891
GI	none	Score	83
Exons	17541..17606, 17542..17604, 17715..17891, 17716..17844		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o3.tc	Method	TBLASTX:Cress
Start	17541	End	17891
GI	none	Score	92
Exons	17541..17612, 17715..17891, 17716..17844		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o4.gs	Method	GENSCAN
Start	17541	End	17915
GI	none	Score	.44
Exons	17541..17915		

Seq. No.	8037	Seq. ID	OJ991201_08.9C23.C3
Gene No.	16972	Strand	-
Start	17541	End	19051
Name	OJ991201_08.9C23.C3.o3.np	Method	AAT/NAP
Start	17544	End	19051
GI	2462749	Score	250
Exons	17544..17909, 19029..19051		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	103	End	441
GI	none	Score	271
Exons	103..441, 105..440		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.np	Method	AAT/NAP
Start	104	End	5217
GI	3738339	Score	1190
Exons	104..487, 2207..2548, 3851..4104, 4210..4269, 4467..4538, 4751..4890, 5003..5217		
GI Descrip.	(AC005170) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	105	End	2555
GI	none	Score	41
Exons	105..134, 105..137, 135..485, 139..312, 388..483, 2203..2430, 2205..2555, 2479..2550		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.gs	Method	GENSCAN
Start	108	End	5511
GI	none	Score	.91
Exons	108..487, 2207..2548, 3495..3632, 3851..4104, 4210..4269, 4751..4894, 5180..5312, 5415..5511		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	114	End	489
GI	none	Score	184
Exons	114..488, 190..489		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	162	End	528
GI	none	Score	49
Exons	162..476, 241..288, 385..528		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511

Name	OJ991201_08.9C23.C4.o1.gp	Method	AAT/GAP
Start	363	End	2465
GI	4715218	Score	719
Exons	363..487, 2207..2465		
GI Descrip.	2462749 5.0e-43 (AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o2.tc	Method	TBLASTX:Cress
Start	441	End	2537
GI	none	Score	172
Exons	441..488, 2208..2537, 2215..2430, 2322..2507		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	2223	End	3968
GI	none	Score	194
Exons	2223..2555, 2224..2430, 2322..2534, 2479..2553, 3852..3968, 3853..3966		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o2.gp	Method	AAT/GAP
Start	2745	End	3181
GI	uC-osflcyp169h02b1	Score	761
Exons	2745..3181		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o3.tm	Method	TBLASTX:Maize
Start	3981	End	5323
GI	none	Score	99
Exons	3981..4106, 3982..4110, 4212..4274, 4216..4275, 4466..4534, 4467..4529, 4468..4530, 4729..4893, 4733..4894, 4747..4893, 4751..4894, 5006..5077, 5007..5078, 5167..5316, 5180..5323		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o2.ts	Method	TBLASTX:Soybean
Start	4212	End	5317
GI	none	Score	58
Exons	4212..4274, 4219..4290, 4469..4537, 4750..4893, 4751..4888, 4786..4890, 5006..5071, 5167..5313, 5173..5313, 5180..5317		

Seq. No.	8038	Seq. ID	OJ991201_08.9C23.C4
Gene No.	16973	Strand	-
Start	104	End	5511
Name	OJ991201_08.9C23.C4.o3.tc	Method	TBLASTX:Cress

Start	4729	End	5317
GI	none	Score	116
Exons	4729..4890, 4751..4888, 5003..5074, 5004..5075, 5179..5313, 5180..5317		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16974	Strand	+
Start	11453	End	17098
Name	OJ991201_08.9C23.C5.o1.np	Method	AAT/NAP
Start	11453	End	17098
GI	6498441	Score	6780
Exons	11453..12516, 12847..13310, 13374..13747, 13931..14065, 14240..14561, 14754..15155, 15327..16723, 16817..17098		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16975	Strand	-
Start	2965	End	3459
Name	OJ991201_08.9C23.C5.o2.gs	Method	GENSCAN
Start	2965	End	3459
GI	none	Score	.5
Exons	2965..2972, 3342..3459		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	1264	End	13217
GI	none	Score	54
Exons	1264..1323, 12731..12904, 12732..13217, 12732..13160, 12926..13186		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	11601	End	11993
GI	none	Score	58
Exons	11601..11648, 11655..11753, 11660..11752, 11720..11959, 11736..11993		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	11606	End	11891
GI	none	Score	199
Exons	11606..11890, 11643..11891		

Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	13382	End	13844
GI	none	Score	587

Exons	13382..13837, 13383..13844		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	13422	End	13787
GI	none	Score	117
Exons	13422..13646, 13653..13787		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	13512	End	13868
GI	none	Score	392
Exons	13512..13868, 13547..13858, 13563..13868		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	13895	End	14279
GI	none	Score	359
Exons	13895..14260, 13896..14279		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	13952	End	14377
GI	none	Score	485
Exons	13952..14377, 13953..14372		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	14001	End	14402
GI	none	Score	286
Exons	14001..14402, 14024..14191		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	15003	End	15461
GI	none	Score	234
Exons	15003..15251, 15027..15251, 15092..15265, 15312..15461, 15323..15460		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	15150	End	15716
GI	5666795	Score	68

Exons	15150..15248, 15324..15461, 15516..15716		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o8.tw	Method	TBLASTX:Wheat
Start	15464	End	15776
GI	none	Score	193
Exons	15464..15640, 15477..15665, 15516..15776		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	15969	End	16292
GI	none	Score	367
Exons	15969..16292, 15998..16279		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	16106	End	16487
GI	none	Score	377
Exons	16106..16162, 16107..16487, 16203..16448, 16208..16456		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	16489	End	17089
GI	none	Score	42
Exons	16489..16518, 16492..16518, 16525..16578, 16525..16770, 16526..16771, 16535..16903, 16627..16797, 16963..17085, 16964..17089		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o5.gs	Method	GENSCAN
Start	17742	End	20927
GI	none	Score	.82
Exons	17742..19566, 19666..20731, 20798..20927		
Seq. No.	8039	Seq. ID	OJ991201_08.9C23.C5
Gene No.	16976	Strand	-
Start	17742	End	20927
Name	OJ991201_08.9C23.C5.o2.np	Method	AAT/NAP
Start	17745	End	20927
GI	5803259	Score	4320
Exons	17745..19566, 19666..20927		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	8040	Seq. ID	OJ991201_08.9C23.C6
Gene No.	16977	Strand	+
Start	11	End	319

Name	OJ991201_08.9C23.C6.o1.gs	Method	GENSCAN
Start	11	End	319
GI	none	Score	.91
Exons	11..319		

Seq. No.	8040	Seq. ID	OJ991201_08.9C23.C6
Gene No.	16978	Strand	+
Start	295	End	643
Name	OJ991201_08.9C23.C6.o1.gp	Method	AAT/GAP
Start	295	End	643
GI	3551787	Score	663
Exons	295..643		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16979	Strand	+
Start	7174	End	11036
Name	OJ991201_08.9C23.C8.o2.gs	Method	GENSCAN
Start	7174	End	11036
GI	none	Score	.62
Exons	7174..7255, 7648..7655, 8167..8276, 8392..8754, 10748..11036		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16979	Strand	+
Start	7174	End	11036
Name	OJ991201_08.9C23.C8.o1.gp	Method	AAT/GAP
Start	9291	End	9371
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	9291..9371		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16979	Strand	+
Start	7174	End	11036
Name	OJ991201_08.9C23.C8.o2.gp	Method	AAT/GAP
Start	10484	End	10576
GI	uC-osflcyp088b12b1	Score	145
Exons	10484..10576		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16980	Strand	+
Start	14535	End	14789
Name	OJ991201_08.9C23.C8.o4.gs	Method	GENSCAN
Start	14535	End	14789
GI	none	Score	.92
Exons	14535..14789		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16981	Strand	+
Start	16334	End	18564
Name	OJ991201_08.9C23.C8.o2.np	Method	AAT/NAP
Start	16334	End	18564
GI	6730737	Score	786
Exons	16334..16670, 17082..17234, 17343..17546, 17716..18206, 18469..18564		

GI Descrip. (AC018849) hypothetical protein [Arabidopsis thaliana]

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16981	Strand	+
Start	16334	End	18564
Name	OJ991201_08.9C23.C8.o3.gp	Method	AAT/GAP
Start	17381	End	17914
GI	LIB3431-061-P1-K1-C10	Score	653
Exons	17381..17546, 17716..17914		
GI Descrip.	'466149/sp|P34648|YOT2_CAEEL 6.0e-21 HYPOTHETICAL 80.5 KD PROTEIN ZK632.2 IN CHROMOSOME III >gi_1078872_pir__S40934 hypothetical protein ZK632.2 - Caenorhabditis elegans >gi_3881693_emb_CAA80179.1_ (Z22181) similar to Coiled coil protein; cDNA EST EMBL:D35263 comes from this gene; cDNA EST yk231h11.3 comes from this gene; cDNA EST yk231h11.5 comes from this gene; cDNA EST yk418c1.3 comes '		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16982	Strand	+
Start	21238	End	23096
Name	OJ991201_08.9C23.C8.o4.gp	Method	AAT/GAP
Start	21238	End	23096
GI	2427687	Score	722
Exons	21238..21384, 21555..21640, 22423..22502, 22832..22887, 23044..23096		
GI Descrip.	466149/sp|P34648|YOT2_CAEEL 6.0e-21 HYPOTHETICAL 80.5 KD PROTEIN ZK632.2 IN CHROMOSOME III >gi_1078872_pir__S40934 hypothetical protein ZK632.2 - Caenorhabditis elegans >gi_3881693_emb_CAA80179.1_ (Z22181) similar to Coiled coil protein; cDNA EST EMBL:D35263 comes from this gene; cDNA EST yk231h11.3 comes from this gene; cDNA EST yk231h11.5 comes from this gene; cDNA EST yk418c1.3 comes		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16983	Strand	-
Start	501	End	5816
Name	OJ991201_08.9C23.C8.o1.gs	Method	GENSCAN
Start	501	End	5816
GI	none	Score	.57
Exons	501..532, 572..766, 4748..4881, 5094..5148, 5795..5816		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16984	Strand	-
Start	6712	End	11108
Name	OJ991201_08.9C23.C8.o1.np	Method	AAT/NAP
Start	6712	End	11108
GI	5852178	Score	502
Exons	6712..6806, 7172..7272, 10799..11108		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	16378	End	18561
GI	none	Score	258
Exons	16378..16611, 16379..16615, 17074..17229, 17078..17233,		

17329..17544, 17342..17545, 17706..18182, 17715..18041,
17729..18181, 18099..18194, 18439..18561, 18453..18560

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o1.tw	Method	TBLASTX:Wheat
Start	16378	End	16567
GI	none	Score	209
Exons	16378..16566, 16379..16567		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o2.ts	Method	TBLASTX:Soybean
Start	16378	End	18567
GI	none	Score	262
Exons	16378..16599, 16379..16615, 17078..17149, 17080..17148, 18435..18542, 18439..18567, 18439..18543		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o1.tc	Method	TBLASTX:Cress
Start	16379	End	18564
GI	none	Score	242
Exons	16379..16615, 16384..16611, 16391..16615, 17070..17162, 17073..17162, 17078..17233, 17080..17229, 17081..17233, 17326..17544, 17327..17545, 17423..17545, 17696..18175, 17706..18182, 18086..18187, 18311..18403, 18439..18564		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	17341	End	18197
GI	none	Score	172
Exons	17341..17526, 17342..17545, 17697..18197, 17708..18001, 18026..18193		

Seq. No.	8041	Seq. ID	OJ991201_08.9C23.C8
Gene No.	16985	Strand	-
Start	19828	End	20371
Name	OJ991201_08.9C23.C8.o3.np	Method	AAT/NAP
Start	19828	End	20371
GI	6539585	Score	219
Exons	19828..19919, 20216..20371		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16986	Strand	+
Start	2636	End	3693
Name	OJ991201_05.9C23.C1.o1.gs	Method	GENSCAN
Start	2636	End	3693
GI	none	Score	.67
Exons	2636..3065, 3469..3693		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16987	Strand	+
Start	6906	End	9103
Name	OJ991201_05.9C23.C1.o3.gs	Method	GENSCAN
Start	6906	End	9103
GI	none	Score	.46
Exons	6906..6962, 7254..7392, 7696..7792, 9004..9103		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16988	Strand	+
Start	12978	End	15237
Name	OJ991201_05.9C23.C1.o5.gs	Method	GENSCAN
Start	12978	End	15237
GI	none	Score	.69
Exons	12978..13118, 13504..13639, 13803..13856, 14180..14409, 14944..15237		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16989	Strand	+
Start	21722	End	22203
Name	OJ991201_05.9C23.C1.o3.gp	Method	AAT/GAP
Start	21722	End	22203
GI	94945_1.R1084	Score	541
Exons	21722..22072, 22166..22203		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16990	Strand	-
Start	4875	End	6163
Name	OJ991201_05.9C23.C1.o2.gs	Method	GENSCAN
Start	4875	End	6163
GI	none	Score	.83
Exons	4875..4987, 5368..5521, 6131..6163		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16991	Strand	-
Start	8376	End	8525
Name	OJ991201_05.9C23.C1.o1.gp	Method	AAT/GAP
Start	8376	End	8525
GI	LIB3474-009-P1-K1-F11	Score	227
Exons	8376..8525		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16992	Strand	-
Start	9661	End	10176
Name	OJ991201_05.9C23.C1.o2.gp	Method	AAT/GAP
Start	9661	End	10176
GI	none	Score	995
Exons	9661..10176		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16993	Strand	-
Start	10636	End	12725
Name	OJ991201_05.9C23.C1.o4.gs	Method	GENSCAN

Start	10636	End	12725
GI	none	Score	.55
Exons	10636..10710, 11192..11465, 11880..11939, 12694..12725		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o1.np	Method	AAT/NAP
Start	13445	End	22217
GI	6466937	Score	1150
Exons	13445..14138, 15367..16781, 22173..22217		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o2.tm	Method	TBLASTX:Maize
Start	13587	End	14105
GI	none	Score	76
Exons	13587..13772, 13743..14105, 13810..13899		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o4.tw	Method	TBLASTX:Wheat
Start	13686	End	13904
GI	none	Score	70
Exons	13686..13904, 13810..13899		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o2.tw	Method	TBLASTX:Wheat
Start	13956	End	15772
GI	none	Score	254
Exons	13956..14066, 15392..15772		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o6.gs	Method	GENSCAN
Start	15287	End	20713
GI	none	Score	.63
Exons	15287..16536, 16592..16985, 17079..17232, 17310..17347, 17523..17657, 17887..17963, 18129..18361, 18717..18744, 18804..18970, 20050..20257, 20511..20713		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	15392	End	16027
GI	none	Score	215
Exons	15392..16027, 15435..15890		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1

Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	15620	End	16006
GI	none	Score	161
Exons	15620..16006, 15741..15992		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	15863	End	16294
GI	none	Score	283
Exons	15863..16294		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o4.tm	Method	TBLASTX:Maize
Start	16028	End	16450
GI	none	Score	91
Exons	16028..16237, 16274..16450		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o2.np	Method	AAT/NAP
Start	16130	End	18267
GI	5922620	Score	314
Exons	16130..16155, 17263..17347, 17385..17696, 18058..18267		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o3.tw	Method	TBLASTX:Wheat
Start	16382	End	16724
GI	none	Score	153
Exons	16382..16465, 16443..16724		

Seq. No.	8042	Seq. ID	OJ991201_05.9C23.C1
Gene No.	16994	Strand	-
Start	13445	End	22217
Name	OJ991201_05.9C23.C1.o3.tm	Method	TBLASTX:Maize
Start	16497	End	16781
GI	none	Score	107
Exons	16497..16781, 16537..16779		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16995	Strand	+
Start	258	End	1602
Name	OJ991201_05.9C23.C2.o2.np	Method	AAT/NAP
Start	258	End	1602

GI	6630699	Score	88
Exons	258..339, 1524..1602		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16996	Strand	+
Start	8355	End	11224
Name	OJ991201_05.9C23.C2.o6.np	Method	AAT/NAP
Start	8355	End	11224
GI	4680207	Score	537
Exons	8355..8688, 9474..9855, 10370..10928, 11164..11224		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	1464
GI	5922620	Score	142
Exons	1..56, 1113..1264, 1421..1464		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o4.np	Method	AAT/NAP
Start	1	End	4794
GI	6466937	Score	935
Exons	1..56, 2208..4366, 4667..4794		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o1.gs	Method	GENSCAN
Start	521	End	8282
GI	none	Score	.45
Exons	521..567, 1086..1110, 1156..1400, 1513..1696, 2817..3331, 3530..4845, 6299..6493, 8275..8282		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o3.np	Method	AAT/NAP
Start	1741	End	3511
GI	5922620	Score	71
Exons	1741..1852, 3460..3511		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	2191	End	2590
GI	none	Score	82
Exons	2191..2424, 2219..2425, 2456..2590		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	2212	End	2509
GI	none	Score	78
Exons	2212..2448, 2219..2416, 2465..2509, 2469..2504		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	2233	End	2482
GI	none	Score	113
Exons	2233..2448, 2234..2449, 2453..2482		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	2486	End	2855
GI	none	Score	165
Exons	2486..2812, 2490..2813, 2805..2855		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16997	Strand	-
Start	1	End	8282
Name	OJ991201_05.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	2591	End	3089
GI	none	Score	98
Exons	2591..2812, 2670..2810, 2805..3089		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16998	Strand	
Start	8311	End	10758
Name	OJ991201_05.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	8311	End	10701
GI	none	Score	120
Exons	8311..8487, 8500..8646, 9462..9602, 9506..9604, 9620..9670, 9621..9776, 10513..10701		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16998	Strand	
Start	8311	End	10758
Name	OJ991201_05.9C23.C2.o3.tm	Method	TBLASTX:Maize

Start	8518	End	9787
GI	none	Score	82
Exons	8518..8592, 8611..8643, 9468..9593, 9471..9602, 9497..9619, 9618..9785, 9632..9787		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16998	Strand	
Start	8311	End	10758
Name	OJ991201_05.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	9507	End	9788
GI	none	Score	123
Exons	9507..9602, 9509..9601, 9617..9781, 9630..9788		

Seq. No.	8043	Seq. ID	OJ991201_05.9C23.C2
Gene No.	16998	Strand	
Start	8311	End	10758
Name	OJ991201_05.9C23.C2.o4.tw	Method	TBLASTX:Wheat
Start	10359	End	10758
GI	none	Score	196
Exons	10359..10757, 10360..10758		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	16999	Strand	+
Start	192	End	1623
Name	OJ991201_05.9C23.C3.o1.gs	Method	GENSCAN
Start	192	End	1623
GI	none	Score	.61
Exons	192..412, 1506..1623		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17000	Strand	+
Start	2243	End	10467
Name	OJ991201_05.9C23.C3.o1.np	Method	AAT/NAP
Start	2243	End	10464
GI	5734760	Score	1150
Exons	2243..2379, 4041..4149, 5287..5414, 9196..9299, 9710..9837, 9919..10464		
GI Descrip.	(AC007651) Very similar to prenyl transferase [Arabidopsis thaliana]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17000	Strand	+
Start	2243	End	10467
Name	OJ991201_05.9C23.C3.o1.gp	Method	AAT/GAP
Start	3086	End	3170
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	3086..3170		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17000	Strand	+
Start	2243	End	10467
Name	OJ991201_05.9C23.C3.o2.gs	Method	GENSCAN
Start	3718	End	10467
GI	none	Score	.68

Exons	3718..3877, 4007..4149, 5287..5414, 7346..7718, 7881..8035, 9196..9299, 9710..9837, 9919..10467		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17000	Strand	+
Start	2243	End	10467
Name	OJ991201_05.9C23.C3.o4.gp	Method	AAT/GAP
Start	6728	End	7462
GI	101153_1.R1084	Score	390
Exons	6728..6957, 7434..7462		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17001	Strand	+
Start	18528	End	25172
Name	OJ991201_05.9C23.C3.o4.gs	Method	GENSCAN
Start	18528	End	25172
GI	none	Score	.76
Exons	18528..18580, 20163..20262, 20370..20618, 22176..22344, 22765..23099, 23186..23948, 24122..24210, 24286..24475, 24547..24651, 24724..25172		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17001	Strand	+
Start	18528	End	25172
Name	OJ991201_05.9C23.C3.o4.np	Method	AAT/NAP
Start	22215	End	25169
GI	6691716	Score	2365
Exons	22215..23103, 23301..23475, 23557..23677, 23789..23948, 24023..24210, 24286..24397, 24547..24651, 24724..25169		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17002	Strand	+
Start	31063	End	31252
Name	OJ991201_05.9C23.C3.o7.gp	Method	AAT/GAP
Start	31063	End	31252
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	31063..31110, 31183..31252		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17003	Strand	+
Start	39604	End	39984
Name	OJ991201_05.9C23.C3.o7.gs	Method	GENSCAN
Start	39604	End	39984
GI	none	Score	.94
Exons	39604..39984		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17004	Strand	+
Start	40599	End	41043

Name	OJ991201_05.9C23.C3.o8.gp	Method	AAT/GAP
Start	40599	End	41043
GI	LIB3431-028-P1-N1-A10	Score	750
Exons	40599..40664, 40692..41043		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17005	Strand	+
Start	43878	End	44259
Name	OJ991201_05.9C23.C3.o9.gp	Method	AAT/GAP
Start	43878	End	44259
GI	uC-osflcyp033a04b1	Score	675
Exons	43878..44259		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17006	Strand	+
Start	46629	End	48399
Name	OJ991201_05.9C23.C3.o9.np	Method	AAT/NAP
Start	46629	End	48399
GI	5922620	Score	109
Exons	46629..46660, 48265..48399		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17007	Strand	-
Start	5459	End	5733
Name	OJ991201_05.9C23.C3.o2.gp	Method	AAT/GAP
Start	5459	End	5733
GI	61605_3.R1084	Score	294
Exons	5459..5733		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17008	Strand	-
Start	10506	End	10923
Name	OJ991201_05.9C23.C3.o5.gp	Method	AAT/GAP
Start	10506	End	10923
GI	none	Score	804
Exons	10506..10923		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o5.ts	Method	TBLASTX:Soybean
Start	5275	End	9857
GI	none	Score	71
Exons	5275..5349, 5279..5407, 5287..5412, 5289..5411, 9181..9327, 9185..9328, 9687..9857, 9708..9851, 9709..9855		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	5312	End	10307
GI	none	Score	143
Exons	5312..5407, 5313..5411, 5314..5412, 5314..5418, 9151..9300, 9196..9300, 9197..9301, 9707..9850, 9708..9857, 9709..9855, 9907..10188, 9916..10185, 9918..10187, 10185..10307, 10186..10302		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o3.tc	Method	TBLASTX:Cress
Start	5319	End	10022
GI	none	Score	128
Exons	5319..5411, 5320..5412, 9194..9301, 9196..9327, 9707..9838, 9708..9851, 9708..9857, 9709..9855, 9907..10020, 9916..10017, 9918..10022		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	9921	End	10470
GI	none	Score	137
Exons	9921..10166, 9921..10169, 9922..10170, 10147..10470, 10170..10319, 10318..10467		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o10.tm	Method	TBLASTX:Maize
Start	11454	End	11703
GI	none	Score	95
Exons	11454..11600, 11455..11637, 11465..11623, 11641..11703		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o3.gs	Method	GENSCAN
Start	11613	End	17244
GI	none	Score	.89
Exons	11613..13280, 17074..17244		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o8.tm	Method	TBLASTX:Maize
Start	11771	End	12150
GI	none	Score	106
Exons	11771..11851, 11835..12149, 11847..12092, 11950..12150, 11956..12150		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-

Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o7.np	Method	AAT/NAP
Start	11931	End	54502
GI	6958206	Score	208
Exons	11931..12120, 13558..13595, 18408..18699, 18737..18863, 33142..33324, 38837..39119, 54473..54502		
GI Descrip.	(AF093132) kexin-like protease KEX1 [Pneumocystis carinii f. sp. muris]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.tm	Method	TBLASTX:Maize
Start	12206	End	12546
GI	none	Score	203
Exons	12206..12544, 12207..12395, 12207..12545, 12211..12546		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	12547	End	13215
GI	none	Score	318
Exons	12547..13053, 12549..13214, 12550..13215, 12551..13060, 12714..13133, 13109..13207		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o11.tm	Method	TBLASTX:Maize
Start	13216	End	17254
GI	none	Score	103
Exons	13216..13281, 13218..13283, 13219..13281, 13221..13283, 17074..17253, 17075..17254, 17075..17254		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.gp	Method	AAT/GAP
Start	20443	End	20904
GI	uC-osflcyp177g01a1	Score	240
Exons	20443..20477, 20742..20904		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o13.tw	Method	TBLASTX:Wheat
Start	22335	End	22625
GI	none	Score	215
Exons	22335..22625		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o5.gs	Method	GENSCAN

Start	25489	End	36387
GI	none	Score	.7
Exons	25489..28570, 28667..29199, 29201..29452, 29897..29987, 31433..31569, 31649..31747, 31845..31917, 32206..32379, 32484..33039, 33113..33241, 33415..33556, 33652..34572, 34699..35073, 35908..35944, 36266..36387		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o5.np	Method	AAT/NAP
Start	25492	End	28587
GI	5902445	Score	5338
Exons	25492..28587		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o5.tw	Method	TBLASTX:Wheat
Start	25501	End	26115
GI	none	Score	80
Exons	25501..25638, 25624..26115, 25853..25954, 26006..26095		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o9.tm	Method	TBLASTX:Maize
Start	25540	End	25773
GI	none	Score	101
Exons	25540..25641, 25541..25642, 25621..25773, 25622..25681		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o13.tm	Method	TBLASTX:Maize
Start	25885	End	26158
GI	none	Score	51
Exons	25885..25971, 25981..26064, 25994..26068, 26059..26157, 26060..26158		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.tw	Method	TBLASTX:Wheat
Start	26230	End	26617
GI	none	Score	102
Exons	26230..26415, 26230..26616, 26306..26617		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	26260	End	26624
GI	none	Score	293
Exons	26260..26307, 26279..26602, 26299..26622, 26312..26623, 26406..26624		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o14.tw	Method	TBLASTX:Wheat
Start	26620	End	26919
GI	none	Score	130
Exons	26620..26745, 26785..26919		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o12.tm	Method	TBLASTX:Maize
Start	26851	End	27105
GI	none	Score	193
Exons	26851..27105		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o7.tw	Method	TBLASTX:Wheat
Start	26935	End	27357
GI	none	Score	277
Exons	26935..27357, 26945..27352, 27256..27354		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o4.ts	Method	TBLASTX:Soybean
Start	26978	End	27366
GI	none	Score	171
Exons	26978..27358, 26980..27222, 27262..27366		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o12.tw	Method	TBLASTX:Wheat
Start	27357	End	27643
GI	none	Score	94
Exons	27357..27641, 27358..27633, 27361..27642, 27566..27643		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o4.tm	Method	TBLASTX:Maize
Start	27481	End	27925
GI	none	Score	89
Exons	27481..27507, 27505..27648, 27518..27649, 27670..27924, 27671..27925		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	27592	End	27993
GI	none	Score	46
Exons	27592..27993, 27626..27796, 27833..27976		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o4.tw	Method	TBLASTX:Wheat
Start	27647	End	28071
GI	none	Score	299
Exons	27647..28027, 27652..28071		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o5.tm	Method	TBLASTX:Maize
Start	28156	End	28512
GI	none	Score	88
Exons	28156..28449, 28156..28512, 28166..28471		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o2.tw	Method	TBLASTX:Wheat
Start	28186	End	28642
GI	none	Score	268
Exons	28186..28641, 28187..28642		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o7.ts	Method	TBLASTX:Soybean
Start	28237	End	28602
GI	none	Score	138
Exons	28237..28371, 28378..28602		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o11.tw	Method	TBLASTX:Wheat
Start	28885	End	29193
GI	none	Score	171
Exons	28885..29193, 28904..29170		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.np	Method	AAT/NAP
Start	31397	End	35088
GI	4680204	Score	926
Exons	31397..31628, 31981..32111, 32206..32379, 32484..33556, 33652..35088		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o10.tw	Method	TBLASTX:Wheat
Start	34042	End	34445
GI	none	Score	75

Exons	34042..34212, 34043..34117, 34202..34342, 34207..34443, 34249..34443, 34305..34445, 34329..34445		
Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.gs	Method	GENSCAN
Start	38063	End	38932
GI	none	Score	.78
Exons	38063..38340, 38400..38484, 38576..38932		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o8.np	Method	AAT/NAP
Start	40683	End	48683
GI	4680203	Score	3244
Exons	40683..41660, 44983..45212, 45366..47038, 48640..48683		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	40743	End	45100
GI	none	Score	130
Exons	40743..40829, 40818..40898, 40911..41051, 40912..41052, 40999..41094, 41031..41090, 41097..41138, 41097..41141, 41102..41143, 41136..41885, 41151..41468, 41152..41886, 41588..41893, 44887..45096, 44903..45100, 44923..45099		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	41318	End	41766
GI	none	Score	93
Exons	41318..41569, 41319..41468, 41319..41762, 41323..41766		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o10.gp	Method	AAT/GAP
Start	44927	End	47034
GI	342_1.R1084	Score	3509
Exons	44927..47034		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o8.tw	Method	TBLASTX:Wheat
Start	45103	End	45510
GI	none	Score	51
Exons	45103..45138, 45123..45185, 45124..45186, 45219..45461, 45259..45441, 45447..45509, 45460..45510		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o6.ts	Method	TBLASTX:Soybean
Start	45543	End	45785
GI	none	Score	209
Exons	45543..45785		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o7.tm	Method	TBLASTX:Maize
Start	45615	End	46060
GI	none	Score	101
Exons	45615..45809, 45819..45944, 45938..46060		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o3.tw	Method	TBLASTX:Wheat
Start	45649	End	46117
GI	none	Score	152
Exons	45649..45855, 45649..45858, 45654..45878, 45858..45938, 45858..45944, 45859..45945, 45941..46039, 45959..46063, 45963..46064, 46061..46117, 46065..46109		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	45938	End	46268
GI	none	Score	64
Exons	45938..46246, 45966..46052, 46101..46268		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	45986	End	46415
GI	none	Score	100
Exons	45986..46282, 45999..46250, 46332..46415, 46340..46414		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o9.tw	Method	TBLASTX:Wheat
Start	46336	End	46723
GI	none	Score	198
Exons	46336..46578, 46344..46586, 46346..46597, 46347..46589, 46580..46723, 46594..46713		

Seq. No.	8044	Seq. ID	OJ991201_05.9C23.C3
Gene No.	17009	Strand	-
Start	11613	End	54502
Name	OJ991201_05.9C23.C3.o9.gs	Method	GENSCAN
Start	50439	End	53213

GI	none	Score	.62
Exons	50439..50904, 53209..53213		

Seq. No.	8045	Seq. ID	OJ991201_05.9C23.C4
Gene No.	17010	Strand	+
Start	3545	End	5268
Name	OJ991201_05.9C23.C4.o1.gs	Method	GENSCAN
Start	3545	End	5268
GI	none	Score	.85
Exons	3545..3722, 3802..3997, 4924..5268		

Seq. No.	8045	Seq. ID	OJ991201_05.9C23.C4
Gene No.	17011	Strand	-
Start	6326	End	10562
Name	OJ991201_05.9C23.C4.o2.gs	Method	GENSCAN
Start	6326	End	10562
GI	none	Score	.62
Exons	6326..6720, 6996..7200, 9139..9206, 10496..10562		

Seq. No.	8046	Seq. ID	OJ991201_05.9C23.C5
Gene No.	17012	Strand	+
Start	1615	End	1763
Name	OJ991201_05.9C23.C5.o1.gp	Method	AAT/GAP
Start	1615	End	1763
GI	uC-osflcyp177g01a1	Score	235
Exons	1615..1763		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	8046	Seq. ID	OJ991201_05.9C23.C5
Gene No.	17013	Strand	+
Start	2925	End	5936
Name	OJ991201_05.9C23.C5.o1.gs	Method	GENSCAN
Start	2925	End	5610
GI	none	Score	.89
Exons	2925..3960, 4047..4791, 4867..5054, 5130..5319, 5392..5496, 5569..5610		

Seq. No.	8046	Seq. ID	OJ991201_05.9C23.C5
Gene No.	17013	Strand	+
Start	2925	End	5936
Name	OJ991201_05.9C23.C5.o1.np	Method	AAT/NAP
Start	3076	End	5936
GI	6691716	Score	1909
Exons	3076..3946, 4144..4336, 4418..4538, 4632..4791, 4867..5054, 5130..5229, 5380..5496, 5569..5936		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8046	Seq. ID	OJ991201_05.9C23.C5
Gene No.	17013	Strand	+
Start	2925	End	5936
Name	OJ991201_05.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	3196	End	3486
GI	none	Score	219
Exons	3196..3486		

Seq. No.	8047	Seq. ID	OJ991011_02.9C30.C1
Gene No.	17014	Strand	-
Start	2119	End	6067
Name	OJ991011_02.9C30.C1.o1.gs	Method	GENSCAN
Start	2119	End	6067
GI	none	Score	.57
Exons	2119..2559, 2767..4963, 5772..6067		

Seq. No.	8047	Seq. ID	OJ991011_02.9C30.C1
Gene No.	17015	Strand	-
Start	6942	End	9965
Name	OJ991011_02.9C30.C1.o2.gs	Method	GENSCAN
Start	6942	End	9965
GI	none	Score	.42
Exons	6942..6956, 7304..7465, 7598..7734, 8260..8277, 8401..8445, 8707..8851, 9500..9577, 9639..9829, 9852..9965		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17016	Strand	+
Start	2469	End	2919
Name	OJ991011_02.9C30.C2.o1.gp	Method	AAT/GAP
Start	2469	End	2919
GI	uC-osf1M202043f12b1	Score	874
Exons	2469..2919		
GI Descrip.	'169777 4.0e-33 (L10345) beta-amylase [Oryza sativa]'		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.gs	Method	GENSCAN
Start	803	End	3178
GI	none	Score	.74
Exons	803..973, 1643..1882, 2010..2219, 2392..2681, 3118..3178		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.tm	Method	TBLASTX:Maize
Start	1355	End	3993
GI	none	Score	156
Exons	1355..1543, 1373..1489, 1381..1542, 1386..1544, 1641..1886, 1641..1883, 1643..1885, 2002..2217, 2007..2222, 2009..2218, 2386..2655, 2390..2656, 2392..2664, 3043..3216, 3050..3220, 3050..3217, 3338..3379, 3339..3380, 3366..3542, 3373..3624, 3378..3659, 3612..3749, 3662..3748, 3663..3749, 3682..3750, 3891..3968, 3895..3993, 3897..3953		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.np	Method	AAT/NAP
Start	1408	End	3944
GI	169777	Score	2313
Exons	1408..1530, 1631..1882, 2010..2219, 2392..2655, 3050..3214, 3350..3748, 3894..3944		
GI Descrip.	(L10345) beta-amylase [Oryza sativa]		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.tc	Method	TBLASTX:Cress
Start	1646	End	3659
GI	none	Score	108
Exons	1646..1885, 1713..1883, 2002..2124, 2007..2222, 2158..2217, 2386..2658, 2390..2656, 2401..2664, 3053..3217, 3054..3212, 3338..3379, 3372..3542, 3378..3659, 3379..3621		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.ts	Method	TBLASTX:Soybean
Start	1646	End	3749
GI	none	Score	180
Exons	1646..1885, 1650..1886, 1998..2213, 1998..2222, 1999..2217, 2386..2658, 2390..2656, 3053..3217, 3054..3215, 3338..3379, 3354..3380, 3378..3659, 3379..3624, 3662..3748, 3663..3749		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o3.tw	Method	TBLASTX:Wheat
Start	2064	End	2238
GI	none	Score	76
Exons	2064..2222, 2077..2238, 2161..2217		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o2.tw	Method	TBLASTX:Wheat
Start	2467	End	3128
GI	none	Score	260
Exons	2467..2655, 2468..2653, 2502..2657, 3043..3123, 3050..3127, 3051..3128		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o1.tw	Method	TBLASTX:Wheat
Start	3128	End	3659
GI	none	Score	102
Exons	3128..3217, 3128..3217, 3329..3379, 3339..3380, 3373..3621, 3378..3659		

Seq. No.	8048	Seq. ID	OJ991011_02.9C30.C2
Gene No.	17017	Strand	-
Start	803	End	3993
Name	OJ991011_02.9C30.C2.o2.gs	Method	GENSCAN
Start	3339	End	3656
GI	none	Score	.6
Exons	3339..3656		

Seq. No.	8049	Seq. ID	OJ991011_02.9C30.C3
Gene No.	17018	Strand	-

Start	853	End	2710
Name	OJ991011_02.9C30.C3.o2.np	Method	AAT/NAP
Start	853	End	2710
GI	6815062	Score	1425
Exons	853..1091, 1460..1798, 1876..1974, 2057..2710		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8049	Seq. ID	OJ991011_02.9C30.C3
Gene No.	17019	Strand	-
Start	2895	End	3167
Name	OJ991011_02.9C30.C3.o1.tm	Method	TBLASTX:Maize
Start	2250	End	2651
GI	none	Score	96
Exons	2250..2537, 2250..2561, 2254..2559, 2589..2651		

Seq. No.	8049	Seq. ID	OJ991011_02.9C30.C3
Gene No.	17019	Strand	-
Start	2895	End	3167
Name	OJ991011_02.9C30.C3.o3.np	Method	AAT/NAP
Start	2895	End	3167
GI	5922623	Score	95
Exons	2895..2965, 3133..3167		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17020	Strand	+
Start	373	End	6528
Name	OJ991011_02.9C30.C4.o1.gs	Method	GENSCAN
Start	373	End	2799
GI	none	Score	.96
Exons	373..2799		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17020	Strand	+
Start	373	End	6528
Name	OJ991011_02.9C30.C4.o1.np	Method	AAT/NAP
Start	879	End	6525
GI	6498441	Score	6822
Exons	879..1942, 2273..2736, 2800..3173, 3357..3491, 3666..3906, 4099..4581, 4753..6150, 6244..6525		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17020	Strand	+
Start	373	End	6528
Name	OJ991011_02.9C30.C4.o2.gs	Method	GENSCAN
Start	2863	End	6528
GI	none	Score	1
Exons	2863..6528		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4

Gene No.	17021	Strand	+
Start	12723	End	12801
Name	OJ991011_02.9C30.C4.o1.gp	Method	AAT/GAP
Start	12723	End	12801
GI	58045_2.R1084	Score	114
Exons	12723..12801		
GI Descrip.	'2224899 3.0e-25 (U67133) DNA-binding protein PcMYB1 [Petroselinum crispum]'		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o4.np	Method	AAT/NAP
Start	917	End	17127
GI	6815062	Score	553
Exons	917..959, 9238..9351, 12092..12391, 13554..13632, 17106..17127		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o6.tw	Method	TBLASTX:Wheat
Start	1027	End	1419
GI	none	Score	58
Exons	1027..1074, 1081..1179, 1098..1178, 1146..1385, 1162..1419		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o5.tm	Method	TBLASTX:Maize
Start	1032	End	1317
GI	none	Score	194
Exons	1032..1316, 1069..1317		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o3.tw	Method	TBLASTX:Wheat
Start	2157	End	2643
GI	none	Score	413
Exons	2157..2330, 2158..2643, 2352..2639		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o1.tw	Method	TBLASTX:Wheat
Start	2807	End	3270
GI	none	Score	218
Exons	2807..3250, 2808..3269, 2809..3270		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o3.ts	Method	TBLASTX:Soybean
Start	2848	End	3213

GI	none	Score	117
Exons	2848..3072, 3079..3213		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o1.tm	Method	TBLASTX:Maize
Start	2938	End	3294
GI	none	Score	392
Exons	2938..3294, 2973..3284, 2989..3294		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o3.tm	Method	TBLASTX:Maize
Start	3321	End	3705
GI	none	Score	356
Exons	3321..3686, 3322..3705		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o2.tw	Method	TBLASTX:Wheat
Start	3378	End	3803
GI	none	Score	488
Exons	3378..3803, 3379..3798		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o1.ts	Method	TBLASTX:Soybean
Start	3457	End	3828
GI	none	Score	273
Exons	3457..3828, 3474..3617		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o5.tw	Method	TBLASTX:Wheat
Start	4429	End	4887
GI	none	Score	234
Exons	4429..4677, 4453..4677, 4518..4691, 4738..4887, 4749..4886		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o2.ts	Method	TBLASTX:Soybean
Start	4576	End	5142
GI	5666795	Score	68
Exons	4576..4674, 4750..4887, 4942..5142		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o8.tw	Method	TBLASTX:Wheat
Start	4890	End	5202

GI	none	Score	192
Exons	4890..5066, 4942..5202		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o2.tm	Method	TBLASTX:Maize
Start	5395	End	5718
GI	none	Score	362
Exons	5395..5718, 5412..5705		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o4.tw	Method	TBLASTX:Wheat
Start	5532	End	5913
GI	none	Score	375
Exons	5532..5588, 5533..5913, 5634..5882		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o7.tw	Method	TBLASTX:Wheat
Start	5914	End	6516
GI	none	Score	265
Exons	5914..6198, 5919..6197, 6391..6516		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o2.np	Method	AAT/NAP
Start	7124	End	10352
GI	6907089	Score	4092
Exons	7124..8991, 9091..10352		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o3.gs	Method	GENSCAN
Start	7167	End	10352
GI	none	Score	.68
Exons	7167..10352		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o4.gs	Method	GENSCAN
Start	10954	End	16672
GI	none	Score	.71
Exons	10954..11031, 11454..11585, 11953..12026, 12121..12391, 13554..13626, 13766..14666, 15201..15311, 15390..15558, 16619..16672		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127

Name	OJ991011_02.9C30.C4.o3.np	Method	AAT/NAP
Start	11195	End	12033
GI	5922623	Score	403
Exons	11195..11270, 11438..11585, 11953..12033		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8050	Seq. ID	OJ991011_02.9C30.C4
Gene No.	17022	Strand	-
Start	917	End	17127
Name	OJ991011_02.9C30.C4.o4.tm	Method	TBLASTX:Maize
Start	12098	End	12283
GI	none	Score	145
Exons	12098..12283, 12105..12281		

Seq. No.	8051	Seq. ID	OJ991011_02.9C30.C5
Gene No.	17023	Strand	+
Start	243	End	616
Name	OJ991011_02.9C30.C5.o1.gs	Method	GENSCAN
Start	243	End	616
GI	none	Score	.67
Exons	243..249, 453..616		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17024	Strand	+
Start	8174	End	10828
Name	OJ991011_02.9C30.C7.o1.gp	Method	AAT/GAP
Start	8089	End	10245
GI	28858_1.R1084	Score	844
Exons	8089..8367, 9856..9915, 9999..10076, 10172..10245		
GI Descrip.	'3747044 7.0e-10 (AF093537) blue copper protein [Zea mays]'		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17024	Strand	+
Start	8174	End	10828
Name	OJ991011_02.9C30.C7.o2.gs	Method	GENSCAN
Start	8174	End	10828
GI	none	Score	.85
Exons	8174..8367, 10172..10334, 10553..10828		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17024	Strand	+
Start	8174	End	10828
Name	OJ991011_02.9C30.C7.o2.np	Method	AAT/NAP
Start	8254	End	10825
GI	2244797	Score	280
Exons	8254..8332, 10028..10076, 10172..10334, 10553..10666, 10703..10825		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17025	Strand	-
Start	2298	End	6967
Name	OJ991011_02.9C30.C7.o1.gs	Method	GENSCAN
Start	2298	End	6967
GI	none	Score	.7

Exons	2298..2354, 4555..4808, 4871..5621, 5729..5893, 6008..6409, 6495..6575, 6659..6967		
Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17025	Strand	-
Start	2298	End	6967
Name	OJ991011_02.9C30.C7.o1.np	Method	AAT/NAP
Start	4605	End	6904
GI	4138596	Score	2135
Exons	4605..4808, 4890..5621, 5729..5893, 6008..6409, 6495..6581, 6659..6904		
GI Descrip.	(Y16242) beta-amylase [Triticum aestivum]		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o1.ts	Method	TBLASTX:Soybean
Start	4641	End	6533
GI	none	Score	62
Exons	4641..4811, 4888..4977, 4890..4976, 5044..5226, 5046..5225, 5232..5498, 5236..5484, 5538..5624, 5584..5628, 5729..5893, 5733..5891, 6002..6325, 6012..6305, 6492..6533		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o1.tc	Method	TBLASTX:Cress
Start	4659	End	6536
GI	none	Score	74
Exons	4659..4811, 4839..4976, 4840..4971, 5046..5222, 5086..5217, 5226..5498, 5227..5397, 5437..5484, 5484..5537, 5538..5624, 5550..5624, 5729..5893, 5730..5897, 6002..6325, 6015..6305, 6290..6328, 6492..6536		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o1.tm	Method	TBLASTX:Maize
Start	4893	End	6328
GI	none	Score	59
Exons	4893..4976, 4897..4971, 5049..5225, 5083..5226, 5232..5498, 5233..5493, 5484..5543, 5485..5529, 5538..5621, 5581..5628, 5732..5893, 5733..5897, 6002..6322, 6012..6314, 6296..6328		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o2.tw	Method	TBLASTX:Wheat
Start	5134	End	5570
GI	none	Score	36
Exons	5134..5178, 5193..5237, 5220..5363, 5251..5361, 5367..5498, 5412..5471, 5484..5570		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o1.tw	Method	TBLASTX:Wheat

Start	5807	End	6331
GI	none	Score	84
Exons	5807..5893, 5811..5891, 6002..6325, 6015..6314, 6293..6331		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o2.tm	Method	TBLASTX:Maize
Start	8088	End	10348
GI	none	Score	38
Exons	8088..8132, 8089..8133, 8152..8220, 8153..8278, 9854..9913, 9855..9941, 9985..10077, 9985..10080, 9998..10084, 10110..10337, 10160..10348, 10162..10335, 10163..10336		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o2.ts	Method	TBLASTX:Soybean
Start	8171	End	10828
GI	none	Score	63
Exons	8171..8221, 10172..10333, 10173..10334, 10547..10681, 10624..10677, 10709..10801, 10724..10828, 10759..10824		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o2.tc	Method	TBLASTX:Cress
Start	10003	End	10795
GI	none	Score	83
Exons	10003..10077, 10027..10074, 10153..10329, 10155..10334, 10166..10333, 10547..10720, 10724..10795, 10724..10777		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o3.tm	Method	TBLASTX:Maize
Start	10547	End	10828
GI	none	Score	156
Exons	10547..10696, 10642..10827, 10697..10828, 10697..10828		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o3.gs	Method	GENSCAN
Start	11801	End	16000
GI	none	Score	..55
Exons	11801..12228, 12592..12800, 14216..14407, 15015..15055, 15208..15391, 15945..16000		

Seq. No.	8052	Seq. ID	OJ991011_02.9C30.C7
Gene No.	17026	Strand	-
Start	11801	End	16000
Name	OJ991011_02.9C30.C7.o3.np	Method	AAT/NAP
Start	11819	End	12679
GI	6587840	Score	87
Exons	11819..11935, 11964..12228, 12538..12679		
GI Descrip.	(AC006551) Similar to blue copper protein precursor [Arabidopsis		

thaliana]

Seq. No.	8053	Seq. ID	OJ991011_02.9C30.C8
Gene No.	17027	Strand	+
Start	435	End	692
Name	OJ991011_02.9C30.C8.o1.gs	Method	GENSCAN
Start	435	End	569
GI	none	Score	.64
Exons	435..569		

Seq. No.	8053	Seq. ID	OJ991011_02.9C30.C8
Gene No.	17027	Strand	+
Start	435	End	692
Name	OJ991011_02.9C30.C8.o1.np	Method	AAT/NAP
Start	436	End	692
GI	5922634	Score	88
Exons	436..586, 615..692		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8054	Seq. ID	OJ991011_02.9C30.C9
Gene No.	17028	Strand	+
Start	131	End	200
Name	OJ991011_02.9C30.C9.o1.gs	Method	GENSCAN
Start	131	End	200
GI	none	Score	.61
Exons	131..200		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17029	Strand	+
Start	13814	End	15615
Name	OJ991011_02.9C30.C10.o4.gs	Method	GENSCAN
Start	13814	End	15615
GI	none	Score	.64
Exons	13814..14473, 14873..15125, 15338..15615		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17030	Strand	+
Start	22909	End	23804
Name	OJ991011_02.9C30.C10.o6.gs	Method	GENSCAN
Start	22909	End	23804
GI	none	Score	.4
Exons	22909..22972, 22987..23804		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17031	Strand	-
Start	411	End	4714
Name	OJ991011_02.9C30.C10.o1.np	Method	AAT/NAP
Start	411	End	4714
GI	3021270	Score	978
Exons	411..733, 1055..1208, 1301..1538, 1620..1826, 2109..2285, 3195..3940, 4607..4714		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10

Gene No.	17031	Strand	-
Start	411	End	4714
Name	OJ991011_02.9C30.C10.o1.gs	Method	GENSCAN
Start	459	End	4041
GI	none	Score	.79
Exons	459..733, 1055..1208, 1620..1813, 2109..2263, 2345..2482, 3195..4041		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17032	Strand	-
Start	4891	End	5772
Name	OJ991011_02.9C30.C10.o2.gs	Method	GENSCAN
Start	4891	End	5772
GI	none	Score	.6
Exons	4891..5130, 5403..5457, 5717..5772		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17033	Strand	-
Start	6960	End	11539
Name	OJ991011_02.9C30.C10.o3.gs	Method	GENSCAN
Start	6960	End	11539
GI	none	Score	.89
Exons	6960..7235, 7374..7524, 7611..7804, 8403..8423, 9769..9896, 9993..10130, 10705..11539		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17034	Strand	-
Start	16661	End	22102
Name	OJ991011_02.9C30.C10.o5.gs	Method	GENSCAN
Start	16661	End	22102
GI	none	Score	.6
Exons	16661..17148, 18670..18916, 19056..19212, 19298..19565, 19630..19837, 21206..21333, 21426..21557, 22054..22102		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17034	Strand	-
Start	16661	End	22102
Name	OJ991011_02.9C30.C10.o1.gp	Method	AAT/GAP
Start	20949	End	21007
GI	2312838	Score	77
Exons	20949..21007		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o1.tm	Method	TBLASTX:Maize
Start	536	End	28663
GI	none	Score	78
Exons	536..730, 537..659, 1106..1207, 1107..1208, 1303..1542, 1304..1519, 1621..1803, 1621..1809, 1625..1810, 2109..2216, 7044..7223, 7093..7164, 7380..7538, 7405..7545, 7532..7900, 7614..7829, 7946..8086, 7950..8150, 7961..8140, 9769..9894, 18719..18913, 18720..18851, 19095..19124, 19110..19211, 19111..19212, 19300..19515, 19301..19516, 19607..19810, 19607..19825, 19647..19826, 21206..21313, 27185..27346,		

27207..27278, 27438..27620, 27511..27681, 27713..27928,
27714..27929, 28050..28244, 28062..28232, 28538..28663

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o1.tc	Method	TBLASTX:Cress
Start	560	End	29804
GI	none	Score	103

Exons 560..727, 1100..1204, 1113..1202, 1158..1205, 1301..1525,
1303..1539, 1304..1540, 1621..1809, 1622..1810, 2109..2252,
2110..2172, 3397..3459, 3697..3930, 7054..7203, 7062..7229,
7368..7520, 7414..7518, 7414..7521, 7613..7849, 7614..7850,
7946..8131, 7958..8140, 9769..9894, 9770..9832, 11168..11308,
11252..11308, 11327..11437, 18738..18884, 18743..18910,
19104..19208, 19117..19209, 19298..19522, 19300..19536,
19301..19516, 19306..19518, 19630..19752, 19631..19828,
19632..19826, 21206..21358, 23100..23162, 27185..27343,
27210..27353, 27441..27617, 27454..27615, 27713..27949,
27714..27950, 27774..27950, 28049..28171, 28050..28244,
28050..28244, 28538..28687, 29250..29312, 29553..29804

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o1.ts	Method	TBLASTX:Soybean
Start	563	End	28654
GI	none	Score	119

Exons 563..730, 1106..1207, 1113..1208, 1141..1209, 1143..1208,
1301..1399, 1303..1539, 1304..1543, 1621..1812, 1625..1813,
2109..2225, 7065..7229, 7377..7538, 7417..7524, 7613..7849,
7614..7853, 7948..8061, 7950..8141, 7958..8140, 9769..9885,
18746..18913, 19110..19211, 19113..19211, 19117..19212,
19300..19536, 19301..19516, 19324..19518, 19622..19828,
19644..19826, 21206..21322, 27173..27346, 27206..27355,
27474..27620, 27514..27621, 27713..27949, 27714..27953,
28050..28244, 28056..28244, 28063..28245, 28538..28654

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o1.tw	Method	TBLASTX:Wheat
Start	1097	End	27887
GI	none	Score	99

Exons 1097..1207, 1098..1241, 1300..1476, 1301..1477, 7380..7538,
7399..7542, 7532..7786, 7611..7784, 19101..19211, 19102..19212,
19297..19473, 19298..19474, 27477..27620, 27514..27621,
27710..27886, 27711..27887

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o2.tw	Method	TBLASTX:Wheat
Start	1477	End	28244
GI	none	Score	116

Exons 1477..1539, 1604..1813, 1606..1812, 7787..7849, 7950..8150,
7958..8140, 19474..19515, 19590..19826, 19613..19825,

27887..27928, 28036..28146, 28050..28244

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o2.tm	Method	TBLASTX:Maize
Start	3745	End	29819
GI	none	Score	55
Exons	3745..3921, 11246..11464, 11247..11294, 11361..11459, 23457..23579, 23458..23559, 23562..23678, 29601..29819, 29602..29703		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o7.gs	Method	GENSCAN
Start	25220	End	29900
GI	none	Score	.74
Exons	25220..25243, 25374..25544, 27471..27621, 27711..27948, 28049..28256, 28538..28665, 28780..28917, 29048..29900		

Seq. No.	8055	Seq. ID	OJ991011_02.9C30.C10
Gene No.	17035	Strand	-
Start	25220	End	29900
Name	OJ991011_02.9C30.C10.o2.np	Method	AAT/NAP
Start	27173	End	29900
GI	3021270	Score	926
Exons	27173..27349, 27471..27621, 27711..27948, 28049..28256, 28538..28723, 29067..29900		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17036	Strand	+
Start	7695	End	8298
Name	OJ991011_02.9C30.C11.o4.gs	Method	GENSCAN
Start	7695	End	8298
GI	none	Score	.97
Exons	7695..7782, 8129..8298		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17037	Strand	+
Start	9509	End	13600
Name	OJ991011_02.9C30.C11.o5.gs	Method	GENSCAN
Start	9509	End	12592
GI	none	Score	.52
Exons	9509..9569, 10082..10161, 10715..10798, 11610..11922, 11967..12150, 12181..12592		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17037	Strand	+
Start	9509	End	13600
Name	OJ991011_02.9C30.C11.o2.np	Method	AAT/NAP
Start	10778	End	13600
GI	5852179	Score	256
Exons	10778..10798, 11626..11840, 11915..12114, 13502..13600		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17038	Strand	-
Start	91	End	3834
Name	OJ991011_02.9C30.C11.o1.gp	Method	AAT/GAP
Start	91	End	622
GI	70367_1.R1084	Score	836
Exons	91..502, 589..622		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17038	Strand	-
Start	91	End	3834
Name	OJ991011_02.9C30.C11.o1.gs	Method	GENSCAN
Start	169	End	1317
GI	none	Score	.58
Exons	169..297, 589..745, 1184..1317		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17038	Strand	-
Start	91	End	3834
Name	OJ991011_02.9C30.C11.o1.np	Method	AAT/NAP
Start	205	End	3834
GI	4127461	Score	771
Exons	205..502, 586..745, 826..1063, 1146..1356, 2670..2791, 2909..3834		
GI Descrip.	(AJ011674) receptor-like protein kinase, RLK3 [Arabidopsis thaliana]		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17038	Strand	-
Start	91	End	3834
Name	OJ991011_02.9C30.C11.o2.gp	Method	AAT/GAP
Start	1213	End	3079
GI	60388_1.R1084	Score	630
Exons	1213..1353, 2670..2797, 2897..2930, 3038..3079		
GI Descrip.	'3021270/emb|CAA18465.1| 1.0e-23 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17038	Strand	-
Start	91	End	3834
Name	OJ991011_02.9C30.C11.o2.gs	Method	GENSCAN
Start	2276	End	3834
GI	none	Score	.97
Exons	2276..2299, 2670..2825, 3038..3235, 3280..3834		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17039	Strand	-
Start	10690	End	11123
Name	OJ991011_02.9C30.C11.o3.gp	Method	AAT/GAP
Start	10690	End	11123
GI	2428185	Score	741
Exons	10690..11123		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o1.tm	Method	TBLASTX:Maize
Start	312	End	2777
GI	none	Score	83
Exons	312..401, 643..744, 644..745, 828..1043, 829..1044, 1147..1326, 1147..1341, 1151..1342, 2670..2777		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o1.tc	Method	TBLASTX:Cress
Start	327	End	3747
GI	none	Score	80
Exons	327..401, 404..496, 637..741, 650..742, 828..1064, 829..1092, 844..1077, 1147..1344, 1148..1342, 2670..2795, 2671..2733, 3550..3747		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o1.ts	Method	TBLASTX:Soybean
Start	333	End	2799
GI	none	Score	120
Exons	333..401, 401..496, 643..744, 650..745, 828..1064, 829..1089, 1138..1344, 1151..1342, 2670..2786, 2671..2799		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o1.tw	Method	TBLASTX:Wheat
Start	634	End	1002
GI	none	Score	89
Exons	634..744, 635..745, 825..1001, 826..1002		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o2.tw	Method	TBLASTX:Wheat
Start	1002	End	1344
GI	none	Score	114
Exons	1002..1076, 1109..1342, 1120..1344, 1120..1341		

Seq. No.	8056	Seq. ID	OJ991011_02.9C30.C11
Gene No.	17040	Strand	-
Start	15625	End	15848
Name	OJ991011_02.9C30.C11.o7.gs	Method	GENSCAN
Start	15625	End	15848
GI	none	Score	.55
Exons	15625..15848		

Seq. No.	8057	Seq. ID	OJ991011_02.9C30.C12
Gene No.	17041	Strand	+
Start	425	End	1516
Name	OJ991011_02.9C30.C12.o1.np	Method	AAT/NAP

Start	425	End	1516
GI	4680203	Score	788
Exons	425..1516		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8057	Seq. ID	OJ991011_02.9C30.C12
Gene No.	17041	Strand	+
Start	425	End	1516
Name	OJ991011_02.9C30.C12.o1.tw	Method	TBLASTX:Wheat
Start	779	End	1459
GI	none	Score	219
Exons	779..1180, 1018..1179, 1202..1330, 1225..1314, 1334..1459		

Seq. No.	8057	Seq. ID	OJ991011_02.9C30.C12
Gene No.	17041	Strand	+
Start	425	End	1516
Name	OJ991011_02.9C30.C12.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1477
GI	none	Score	128
Exons	1058..1180, 1060..1179, 1211..1477, 1232..1465		

Seq. No.	8057	Seq. ID	OJ991011_02.9C30.C12
Gene No.	17041	Strand	+
Start	425	End	1516
Name	OJ991011_02.9C30.C12.o1.tc	Method	TBLASTX:Cress
Start	1208	End	1516
GI	none	Score	290
Exons	1208..1516, 1225..1362, 1399..1458, 1409..1513		

Seq. No.	8057	Seq. ID	OJ991011_02.9C30.C12
Gene No.	17041	Strand	+
Start	425	End	1516
Name	OJ991011_02.9C30.C12.o1.tm	Method	TBLASTX:Maize
Start	1322	End	1516
GI	none	Score	210
Exons	1322..1516, 1333..1515		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17042	Strand	+
Start	12394	End	13632
Name	OJ990821_60.9C16.C1.o3.gs	Method	GENSCAN
Start	12394	End	13632
GI	none	Score	.76
Exons	12394..12451, 13093..13201, 13575..13632		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17043	Strand	+
Start	15534	End	18294
Name	OJ990821_60.9C16.C1.o5.gs	Method	GENSCAN
Start	15534	End	18172
GI	none	Score	.79
Exons	15534..15932, 17804..18172		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17043	Strand	+
Start	15534	End	18294
Name	OJ990821_60.9C16.C1.o3.np	Method	AAT/NAP

Start	16430	End	18294
GI	6721516	Score	42
Exons	16430..16587, 18214..18294		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17044	Strand	-
Start	1	End	9754
Name	OJ990821_60.9C16.C1.o1.np	Method	AAT/NAP
Start	1	End	8196
GI	6498441	Score	1436
Exons	1..191, 375..512, 702..1108, 3778..3882, 4564..4650, 5931..5979, 6257..6292, 7000..8196		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17044	Strand	-
Start	1	End	9754
Name	OJ990821_60.9C16.C1.o1.gs	Method	GENSCAN
Start	196	End	4861
GI	none	Score	.51
Exons	196..1281, 1397..1427, 1560..1820, 2361..3386, 3521..3576, 4113..4250, 4536..4861		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17044	Strand	-
Start	1	End	9754
Name	OJ990821_60.9C16.C1.o2.gs	Method	GENSCAN
Start	6966	End	9754
GI	none	Score	.71
Exons	6966..7645, 7859..8290, 8327..8465, 8803..8927, 9520..9754		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17045	Strand	-
Start	9997	End	14956
Name	OJ990821_60.9C16.C1.o2.np	Method	AAT/NAP
Start	9997	End	14956
GI	6815097	Score	481
Exons	9997..10044, 14136..14956		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17045	Strand	-
Start	9997	End	14956
Name	OJ990821_60.9C16.C1.o4.gs	Method	GENSCAN
Start	14252	End	14920
GI	none	Score	.81
Exons	14252..14920		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o1.ts	Method	TBLASTX:Soybean
Start	6	End	449

GI	none	Score	88
Exons	6..167, 10..123, 168..449, 343..411		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o3.tw	Method	TBLASTX:Wheat
Start	129	End	464
GI	none	Score	196
Exons	129..464		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o1.tm	Method	TBLASTX:Maize
Start	135	End	596
GI	none	Score	69
Exons	135..596, 136..255, 207..395, 343..447, 465..596		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o1.tw	Method	TBLASTX:Wheat
Start	465	End	869
GI	none	Score	214
Exons	465..809, 465..818, 514..810, 813..869, 823..861		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o2.tm	Method	TBLASTX:Maize
Start	597	End	815
GI	none	Score	202
Exons	597..815, 598..810		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o2.ts	Method	TBLASTX:Soybean
Start	666	End	1031
GI	none	Score	126
Exons	666..800, 807..1031		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o3.ts	Method	TBLASTX:Soybean
Start	1441	End	1779
GI	none	Score	194
Exons	1441..1779		

Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o2.tw	Method	TBLASTX:Wheat
Start	3163	End	7985
GI	none	Score	106

Exons	3163..3297, 7656..7928, 7690..7929, 7896..7985, 7897..7977		
Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o3.tm	Method	TBLASTX:Maize
Start	3184	End	8007
GI	none	Score	102
Exons	3184..3360, 7758..8006, 7759..8007		
Seq. No.	8058	Seq. ID	OJ990821_60.9C16.C1
Gene No.	17046	Strand	-
Start	19788	End	19967
Name	OJ990821_60.9C16.C1.o6.gs	Method	GENSCAN
Start	19788	End	19967
GI	none	Score	.8
Exons	19788..19967		
Seq. No.	8059	Seq. ID	OJ990821_60.9C16.C2
Gene No.	17047	Strand	-
Start	84	End	4254
Name	OJ990821_60.9C16.C2.o1.np	Method	AAT/NAP
Start	84	End	4254
GI	4680204	Score	812
Exons	84..195, 285..458, 547..1637, 1731..2999, 4195..4254		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	8059	Seq. ID	OJ990821_60.9C16.C2
Gene No.	17047	Strand	-
Start	84	End	4254
Name	OJ990821_60.9C16.C2.o2.np	Method	AAT/NAP
Start	84	End	3184
GI	4680204	Score	806
Exons	84..195, 285..458, 547..1637, 1731..3184		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	8059	Seq. ID	OJ990821_60.9C16.C2
Gene No.	17047	Strand	-
Start	84	End	4254
Name	OJ990821_60.9C16.C2.o1.gs	Method	GENSCAN
Start	85	End	3138
GI	none	Score	.52
Exons	85..153, 547..1105, 1496..1658, 2118..2495, 2565..2759, 2769..3138		
Seq. No.	8059	Seq. ID	OJ990821_60.9C16.C2
Gene No.	17047	Strand	-
Start	84	End	4254
Name	OJ990821_60.9C16.C2.o1.tw	Method	TBLASTX:Wheat
Start	2121	End	2522
GI	none	Score	60
Exons	2121..2291, 2131..2190, 2286..2522, 2328..2522		
Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17048	Strand	+
Start	6075	End	8031
Name	OJ990821_60.9C16.C3.o2.gs	Method	GENSCAN

Start	6075	End	8031
GI	none	Score	.77
Exons	6075..6076, 6329..6416, 6549..6608, 6696..6851, 6853..8031		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17049	Strand	-
Start	763	End	5398
Name	OJ990821_60.9C16.C3.o1.np	Method	AAT/NAP
Start	763	End	5398
GI	4680203	Score	3198
Exons	763..1740, 2017..2247, 2401..4074, 5341..5398		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o1.tw	Method	TBLASTX:Wheat
Start	832	End	2148
GI	none	Score	49
Exons	832..909, 833..883, 834..905, 898..978, 926..979, 983..1063, 985..1101, 985..1131, 992..1132, 1111..1170, 1112..1174, 1177..1218, 1177..1221, 1216..2133, 1232..2134, 1954..2148		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o1.tc	Method	TBLASTX:Cress
Start	1398	End	1846
GI	none	Score	102
Exons	1398..1649, 1399..1548, 1409..1837, 1420..1842, 1433..1846		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o1.tm	Method	TBLASTX:Maize
Start	1777	End	2091
GI	none	Score	144
Exons	1777..2091, 1805..2080		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o3.tw	Method	TBLASTX:Wheat
Start	2149	End	2545
GI	none	Score	62
Exons	2149..2220, 2150..2221, 2253..2438, 2253..2456, 2254..2472, 2294..2476, 2482..2544, 2495..2545		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o2.ts	Method	TBLASTX:Soybean
Start	2578	End	2820
GI	none	Score	190
Exons	2578..2820		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3

Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o2.tm	Method	TBLASTX:Maize
Start	2650	End	3106
GI	none	Score	81
Exons	2650..2844, 2854..3096, 2855..3106		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o2.tw	Method	TBLASTX:Wheat
Start	2684	End	3153
GI	none	Score	170
Exons	2684..2890, 2689..2913, 2885..2986, 2891..2983, 2893..2991, 2977..3075, 2995..3099, 2999..3100, 3097..3153, 3101..3145		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o2.tc	Method	TBLASTX:Cress
Start	2941	End	3289
GI	none	Score	59
Exons	2941..3282, 2944..3069, 2960..3088, 3137..3289		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o1.ts	Method	TBLASTX:Soybean
Start	3022	End	3451
GI	none	Score	86
Exons	3022..3318, 3035..3286, 3313..3375, 3368..3451, 3376..3450		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o4.tw	Method	TBLASTX:Wheat
Start	3367	End	3722
GI	none	Score	155
Exons	3367..3621, 3372..3614, 3380..3622, 3382..3633, 3383..3625, 3616..3717, 3630..3722		

Seq. No.	8060	Seq. ID	OJ990821_60.9C16.C3
Gene No.	17050	Strand	-
Start	10048	End	11302
Name	OJ990821_60.9C16.C3.o3.gs	Method	GENSCAN
Start	10048	End	11302
GI	none	Score	.82
Exons	10048..10227, 10327..10425, 10521..10622, 10894..11062, 11151..11302		

Seq. No.	8061	Seq. ID	OJ990821_60.9C16.C4
Gene No.	17051	Strand	-
Start	1	End	3211
Name	OJ990821_60.9C16.C4.o1.np	Method	AAT/NAP
Start	1	End	2230
GI	4680204	Score	918
Exons	1..702, 796..2230		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	8061	Seq. ID	OJ990821_60.9C16.C4
Gene No.	17051	Strand	-
Start	1	End	3211
Name	OJ990821_60.9C16.C4.o1.gs	Method	GENSCAN
Start	8	End	2215
GI	none	Score	.58
Exons	8..275, 561..723, 796..1161, 1174..1556, 1726..2215		

Seq. No.	8061	Seq. ID	OJ990821_60.9C16.C4
Gene No.	17051	Strand	-
Start	1	End	3211
Name	OJ990821_60.9C16.C4.o2.tw	Method	TBLASTX:Wheat
Start	490	End	3211
GI	none	Score	50
Exons	490..708, 793..864, 3131..3211		

Seq. No.	8061	Seq. ID	OJ990821_60.9C16.C4
Gene No.	17051	Strand	-
Start	1	End	3211
Name	OJ990821_60.9C16.C4.o1.tw	Method	TBLASTX:Wheat
Start	1186	End	1589
GI	none	Score	50
Exons	1186..1296, 1186..1356, 1226..1357, 1346..1486, 1351..1587, 1360..1587, 1473..1589		

Seq. No.	8062	Seq. ID	OJ990821_60.9C16.C5
Gene No.	17052	Strand	+
Start	1	End	1446
Name	OJ990821_60.9C16.C5.o1.np	Method	AAT/NAP
Start	1	End	1446
GI	4680186	Score	133
Exons	1..39, 1240..1446		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8062	Seq. ID	OJ990821_60.9C16.C5
Gene No.	17053	Strand	-
Start	1842	End	3601
Name	OJ990821_60.9C16.C5.o2.np	Method	AAT/NAP
Start	1842	End	3601
GI	6907087	Score	907
Exons	1842..1943, 2483..3201, 3248..3601		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8062	Seq. ID	OJ990821_60.9C16.C5
Gene No.	17054	Strand	-
Start	5360	End	6379
Name	OJ990821_60.9C16.C5.o1.tw	Method	TBLASTX:Wheat
Start	4928	End	5810
GI	none	Score	53
Exons	4928..5020, 4929..4994, 4930..5016, 5046..5087, 5056..5088, 5092..5172, 5094..5207, 5101..5214, 5112..5213, 5188..5283, 5220..5279, 5249..5287, 5285..5332, 5286..5330, 5325..5642, 5341..5637, 5358..5639, 5645..5809, 5646..5810		

Seq. No.	8062	Seq. ID	OJ990821_60.9C16.C5
Gene No.	17054	Strand	-
Start	5360	End	6379
Name	OJ990821_60.9C16.C5.o3.np	Method	AAT/NAP
Start	5360	End	6379
GI	6742729	Score	814
Exons	5360..5410, 5779..6379		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8062	Seq. ID	OJ990821_60.9C16.C5
Gene No.	17054	Strand	-
Start	5360	End	6379
Name	OJ990821_60.9C16.C5.o2.tw	Method	TBLASTX:Wheat
Start	5810	End	6061
GI	none	Score	149
Exons	5810..5941, 5811..5942, 5916..6050, 5939..6061		

Seq. No.	8063	Seq. ID	OJ990821_60.9C16.C6
Gene No.	17055	Strand	+
Start	491	End	1132
Name	OJ990821_60.9C16.C6.o1.gs	Method	GENSCAN
Start	491	End	1111
GI	none	Score	1
Exons	491..550, 717..1111		

Seq. No.	8063	Seq. ID	OJ990821_60.9C16.C6
Gene No.	17055	Strand	+
Start	491	End	1132
Name	OJ990821_60.9C16.C6.o1.np	Method	AAT/NAP
Start	491	End	1132
GI	2498930	Score	756
Exons	491..550, 717..1132		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8064	Seq. ID	OJ990821_60.9C16.C7
Gene No.	17056	Strand	-
Start	380	End	435
Name	OJ990821_60.9C16.C7.o1.gs	Method	GENSCAN
Start	380	End	435
GI	none	Score	.44
Exons	380..435		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17057	Strand	+
Start	6078	End	10636
Name	OJ990821_60.9C16.C8.o3.np	Method	AAT/NAP
Start	6078	End	10636
GI	5042463	Score	185
Exons	6078..6102, 7686..7904, 8569..8700, 8752..8887, 10602..10636		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17058	Strand	-
Start	1	End	4570
Name	OJ990821_60.9C16.C8.o1.np	Method	AAT/NAP

Start	1	End	1390
GI	3645899	Score	790
Exons	1..1390		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17058	Strand	-
Start	1	End	4570
Name	OJ990821_60.9C16.C8.o2.np	Method	AAT/NAP
Start	1	End	4266
GI	6539588	Score	160
Exons	1..26, 3927..4266		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17058	Strand	-
Start	1	End	4570
Name	OJ990821_60.9C16.C8.o1.gs	Method	GENSCAN
Start	395	End	4570
GI	none	Score	.82
Exons	395..1387, 1574..1633, 1652..3690, 4018..4146, 4477..4570		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17059	Strand	-
Start	7345	End	10833
Name	OJ990821_60.9C16.C8.o1.ts	Method	TBLASTX:Soybean
Start	104	End	565
GI	none	Score	146
Exons	104..232, 254..565, 261..545		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17059	Strand	-
Start	7345	End	10833
Name	OJ990821_60.9C16.C8.o1.tm	Method	TBLASTX:Maize
Start	104	End	739
GI	none	Score	278
Exons	104..256, 251..595, 252..611, 356..634, 665..739, 666..734		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17059	Strand	-
Start	7345	End	10833
Name	OJ990821_60.9C16.C8.o1.tc	Method	TBLASTX:Cress
Start	105	End	547
GI	none	Score	75
Exons	105..242, 110..241, 257..331, 353..547, 462..539		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17059	Strand	-
Start	7345	End	10833
Name	OJ990821_60.9C16.C8.o1.tw	Method	TBLASTX:Wheat
Start	407	End	964
GI	none	Score	144
Exons	407..595, 408..581, 416..697, 653..694, 734..964		

Seq. No.	8065	Seq. ID	OJ990821_60.9C16.C8
Gene No.	17059	Strand	-
Start	7345	End	10833

Name	OJ990821_60.9C16.C8.o2.gs	Method	GENSCAN
Start	7345	End	10833
GI	none	Score	.55
Exons	7345..7567, 9632..9707, 10764..10833		

Seq. No.	8066	Seq. ID	OJ990821_60.9C16.C9
Gene No.	17060	Strand	-
Start	1	End	732
Name	OJ990821_60.9C16.C9.o1.np	Method	AAT/NAP
Start	1	End	732
GI	5852182	Score	178
Exons	1..145, 682..732		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8066	Seq. ID	OJ990821_60.9C16.C9
Gene No.	17060	Strand	-
Start	1	End	732
Name	OJ990821_60.9C16.C9.o1.gs	Method	GENSCAN
Start	22	End	679
GI	none	Score	.75
Exons	22..145, 488..679		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17061	Strand	+
Start	118	End	4602
Name	OJ990821_60.9C16.C10.o1.gs	Method	GENSCAN
Start	118	End	4602
GI	none	Score	.63
Exons	118..245, 4525..4602		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17062	Strand	+
Start	15713	End	17018
Name	OJ990821_60.9C16.C10.o2.np	Method	AAT/NAP
Start	15713	End	17018
GI	6815099	Score	82
Exons	15713..15749, 16888..17018		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17063	Strand	-
Start	6655	End	9892
Name	OJ990821_60.9C16.C10.o1.gp	Method	AAT/GAP
Start	6655	End	7266
GI	87304_1.R1084	Score	1175
Exons	6655..7266		
GI Descrip.	'167527 2.0e-15 (M91375) This sequence shows homology with Cucumber peroxidase.; peroxidase; putative [Cucumis sativus]'		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17063	Strand	-
Start	6655	End	9892
Name	OJ990821_60.9C16.C10.o1.np	Method	AAT/NAP
Start	6969	End	9823
GI	2117620	Score	697
Exons	6969..7486, 7578..7708, 9416..9823		
GI Descrip.	peroxidase (EC 1.11.1.7) 1A - alfalfa gi|971558|emb|CAA62225|		

(X90692) peroxidase1A [Medicago sativa]

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17063	Strand	-
Start	6655	End	9892
Name	OJ990821_60.9C16.C10.o2.gp	Method	AAT/GAP
Start	9441	End	9892
GI	26353_1.R1084	Score	832
Exons	9441..9892		
GI Descrip.	'1279654/emb|CAA66037| 5.0e-25 (X97351) peroxidase [Populus balsamifera subsp. trichocarpa]'		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17064	Strand	-
Start	12327	End	12844
Name	OJ990821_60.9C16.C10.o3.gp	Method	AAT/GAP
Start	12327	End	12844
GI	LIB3434-038-P1-K1-F1	Score	742
Exons	12327..12844		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17065	Strand	-
Start	16354	End	16744
Name	OJ990821_60.9C16.C10.o4.gs	Method	GENSCAN
Start	16354	End	16744
GI	none	Score	.82
Exons	16354..16422, 16610..16744		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17066	Strand	-
Start	17981	End	27578
Name	OJ990821_60.9C16.C10.o5.gs	Method	GENSCAN
Start	17981	End	27578
GI	none	Score	.5
Exons	17981..18228, 19260..19310, 23075..23211, 23482..23617, 27449..27578		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17066	Strand	-
Start	17981	End	27578
Name	OJ990821_60.9C16.C10.o5.gp	Method	AAT/GAP
Start	24980	End	25173
GI	LIB3431-027-P1-K1-D5	Score	205
Exons	24980..25057, 25128..25173		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o2.tc	Method	TBLASTX:Cress
Start	7037	End	29845
GI	none	Score	92
Exons	7037..7105, 7091..7486, 7092..7457, 9416..9571, 9417..9593, 9578..9658, 9581..9748, 9582..9749, 28365..28415, 28386..28427,		

28425..28583, 28437..28670, 28716..28793, 29130..29180,
29177..29206, 29178..29285, 29194..29301, 29360..29500,
29371..29544, 29377..29553, 29649..29807, 29654..29845

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o1.tw	Method	TBLASTX:Wheat
Start	7058	End	28733
GI	none	Score	370
Exons	7058..7432, 7059..7430, 28428..28667, 28674..28733		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o3.ts	Method	TBLASTX:Soybean
Start	7091	End	28793
GI	none	Score	67
Exons	7091..7369, 28368..28502, 28390..28491, 28545..28661, 28546..28596, 28674..28793		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o3.tm	Method	TBLASTX:Maize
Start	7154	End	28758
GI	none	Score	311
Exons	7154..7486, 7155..7457, 7544..7582, 7550..7666, 7593..7691, 7594..7692, 7644..7709, 7661..7708, 28500..28667, 28674..28721, 28702..28758		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o2.ts	Method	TBLASTX:Soybean
Start	7386	End	29863
GI	none	Score	64
Exons	7386..7457, 7388..7486, 9416..9562, 9423..9560, 9527..9748, 9582..9722, 29130..29249, 29158..29301, 29365..29502, 29378..29500, 29515..29553, 29654..29863		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o2.tm	Method	TBLASTX:Maize
Start	9422	End	29810
GI	none	Score	86
Exons	9422..9571, 9435..9593, 9569..9748, 9570..9722, 29111..29251, 29112..29252, 29128..29250, 29130..29252, 29131..29253, 29302..29544, 29359..29553, 29649..29810, 29649..29780, 29653..29805, 29654..29806		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o2.tw	Method	TBLASTX:Wheat
Start	9569	End	29879

GI	none	Score	105
Exons	9569..9748, 9570..9731, 29475..29540, 29475..29531, 29476..29553, 29653..29781, 29654..29794, 29655..29780, 29795..29878, 29796..29879		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o6.gp	Method	AAT/GAP
Start	28181	End	29907
GI	576_1.R1084	Score	2318
Exons	28181..28792, 29087..29252, 29359..29541, 29654..29907		
GI Descrip.	'1097875/prf||2114377A 0.0e+00 peroxidase:ISOTYPE=RPA [Oryza sativa]'		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o6.gs	Method	GENSCAN
Start	28383	End	32416
GI	none	Score	.44
Exons	28383..28792, 29087..29252, 29359..29541, 29853..30223, 30921..31072, 31155..32416		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o3.np	Method	AAT/NAP
Start	28386	End	29875
GI	1097875	Score	1621
Exons	28386..28792, 29087..29252, 29359..29541, 29654..29875		
GI Descrip.	peroxidase:ISOTYPE=RPA [Oryza sativa]		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o3.tw	Method	TBLASTX:Wheat
Start	31133	End	31471
GI	none	Score	261
Exons	31133..31471, 31209..31469, 31373..31471		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o1.ts	Method	TBLASTX:Soybean
Start	31136	End	33888
GI	none	Score	67
Exons	31136..31483, 31484..31708, 31760..31864, 31952..32371, 32055..32336, 33700..33888		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o4.np	Method	AAT/NAP
Start	31139	End	33893
GI	4102839	Score	1193
Exons	31139..32465, 33676..33893		

GI Descrip. (AF016713) LeOPT1 [Lycopersicon esculentum]

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o1.tc	Method	TBLASTX:Cress
Start	31148	End	33895
GI	none	Score	202
Exons	31148..31483, 31155..31472, 31376..31483, 31475..31708, 31688..31753, 31689..31742, 31739..31861, 31770..31862, 31907..31948, 31967..32371, 32055..32366, 33671..33895, 33703..33894		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o1.tm	Method	TBLASTX:Maize
Start	31148	End	32363
GI	none	Score	231
Exons	31148..31483, 31149..31484, 31466..31708, 31571..31612, 31760..31864, 31770..31865, 31907..31957, 31908..31949, 32054..32182, 32055..32180, 32186..32263, 32193..32252, 32219..32359, 32259..32363		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o7.gs	Method	GENSCAN
Start	33130	End	33906
GI	none	Score	.4
Exons	33130..33291, 33676..33906		

Seq. No.	8067	Seq. ID	OJ990821_60.9C16.C10
Gene No.	17067	Strand	-
Start	28383	End	33906
Name	OJ990821_60.9C16.C10.o4.tm	Method	TBLASTX:Maize
Start	33671	End	33895
GI	none	Score	142
Exons	33671..33895, 33703..33894		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17068	Strand	+
Start	2364	End	3730
Name	OJ990821_60.9C16.C11.o1.gs	Method	GENSCAN
Start	2364	End	3730
GI	none	Score	.82
Exons	2364..2504, 2571..2699, 2751..2968, 2974..3139, 3240..3362, 3413..3730		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17069	Strand	+
Start	4607	End	4786
Name	OJ990821_60.9C16.C11.o2.gs	Method	GENSCAN
Start	4607	End	4786
GI	none	Score	.59
Exons	4607..4786		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17070	Strand	-
Start	2184	End	9449
Name	OJ990821_60.9C16.C11.o1.np	Method	AAT/NAP
Start	2184	End	7685
GI	6069646	Score	1568
Exons	2184..3163, 3446..3714, 7592..7685		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17070	Strand	-
Start	2184	End	9449
Name	OJ990821_60.9C16.C11.o3.gs	Method	GENSCAN
Start	6212	End	9449
GI	none	Score	.54
Exons	6212..7013, 7326..7861, 7965..8214, 9397..9449		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17070	Strand	-
Start	2184	End	9449
Name	OJ990821_60.9C16.C11.o2.np	Method	AAT/NAP
Start	6218	End	8428
GI	4102839	Score	1306
Exons	6218..7013, 7326..7885, 7989..8182, 8284..8428		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17071	Strand	-
Start	11376	End	12481
Name	OJ990821_60.9C16.C11.o4.gs	Method	GENSCAN
Start	11376	End	12481
GI	none	Score	.55
Exons	11376..11403, 11968..12014, 12413..12481		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17072	Strand	-
Start	12471	End	14159
Name	OJ990821_60.9C16.C11.o3.np	Method	AAT/NAP
Start	12471	End	14159
GI	6539588	Score	228
Exons	12471..12616, 13833..14159		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o4.tm	Method	TBLASTX:Maize
Start	2193	End	2795
GI	none	Score	45
Exons	2193..2408, 2290..2400, 2416..2538, 2442..2678, 2525..2695, 2670..2795		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11

Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o3.tw	Method	TBLASTX:Wheat
Start	2310	End	2663
GI	none	Score	203
Exons	2310..2345, 2466..2663		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o1.tw	Method	TBLASTX:Wheat
Start	3146	End	3586
GI	none	Score	159
Exons	3146..3280, 3284..3586		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o3.tm	Method	TBLASTX:Maize
Start	3225	End	3713
GI	none	Score	208
Exons	3225..3713, 3227..3709		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o5.tw	Method	TBLASTX:Wheat
Start	6194	End	6559
GI	none	Score	58
Exons	6194..6343, 6261..6344, 6368..6559, 6369..6551, 6446..6556		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o1.tc	Method	TBLASTX:Cress
Start	6227	End	8389
GI	none	Score	59
Exons	6227..6346, 6227..6403, 6368..6565, 6446..6565, 6593..6982, 6651..6791, 6873..6956, 7323..7805, 7334..7804, 7975..8184, 7992..8186, 8282..8389, 8283..8387		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o3.ts	Method	TBLASTX:Soybean
Start	6227	End	7522
GI	none	Score	59
Exons	6227..6343, 6368..6565, 6411..6563, 6593..6844, 6651..6836, 6822..6965, 6824..6958, 7421..7522, 7431..7511		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o2.tm	Method	TBLASTX:Maize
Start	6227	End	7781
GI	none	Score	70
Exons	6227..6430, 6228..6344, 6368..6565, 6413..6562, 6593..6973,		

6651..6830, 6885..6965, 7323..7601, 7325..7603, 7565..7678, 7658..7774, 7659..7778, 7725..7781

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o1.ts	Method	TBLASTX:Soybean
Start	7547	End	8389
GI	none	Score	159
Exons	7547..7804, 7548..7787, 7826..7885, 7975..8184, 7986..8186, 8282..8389, 8283..8360		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o5.tm	Method	TBLASTX:Maize
Start	7944	End	8372
GI	none	Score	114
Exons	7944..8195, 7960..8184, 8282..8371, 8283..8372		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o4.tw	Method	TBLASTX:Wheat
Start	8047	End	8371
GI	none	Score	78
Exons	8047..8184, 8049..8186, 8282..8371		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o2.ts	Method	TBLASTX:Soybean
Start	16079	End	16747
GI	none	Score	47
Exons	16079..16339, 16155..16325, 16361..16747, 16401..16643		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o4.np	Method	AAT/NAP
Start	16088	End	16849
GI	4416302	Score	792
Exons	16088..16849		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o1.tm	Method	TBLASTX:Maize
Start	16109	End	16765
GI	none	Score	377
Exons	16109..16765, 16119..16757		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o2.tc	Method	TBLASTX:Cress

Start	16109	End	16474
GI	none	Score	70
Exons	16109..16354, 16206..16322, 16343..16474		

Seq. No.	8068	Seq. ID	OJ990821_60.9C16.C11
Gene No.	17073	Strand	-
Start	16088	End	16849
Name	OJ990821_60.9C16.C11.o2.tw	Method	TBLASTX:Wheat
Start	16154	End	16609
GI	none	Score	76
Exons	16154..16345, 16154..16330, 16349..16609		

Seq. No.	8069	Seq. ID	OJ990821_61.9C20.C1
Gene No.	17074	Strand	-
Start	1813	End	2790
Name	OJ990821_61.9C20.C1.o1.gs	Method	GENSCAN
Start	1813	End	2790
GI	none	Score	.55
Exons	1813..1838, 2079..2222, 2397..2790		

Seq. No.	8070	Seq. ID	OJ990821_61.9C20.C2
Gene No.	17075	Strand	+
Start	515	End	993
Name	OJ990821_61.9C20.C2.o1.gs	Method	GENSCAN
Start	515	End	993
GI	none	Score	.94
Exons	515..566, 794..993		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17076	Strand	+
Start	482	End	1989
Name	OJ990821_61.9C20.C3.o1.gs	Method	GENSCAN
Start	482	End	1989
GI	none	Score	.62
Exons	482..768, 1695..1989		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o4.tm	Method	TBLASTX:Maize
Start	8116	End	8416
GI	none	Score	68
Exons	8116..8415, 8119..8415, 8309..8416		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o4.tw	Method	TBLASTX:Wheat
Start	8492	End	8862
GI	none	Score	156
Exons	8492..8860, 8494..8619, 8553..8654, 8668..8862		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o3.tm	Method	TBLASTX:Maize
Start	8587	End	9058

GI	none	Score	56
Exons	8587..8619, 8588..8668, 8686..9057, 8696..9058		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o2.tw	Method	TBLASTX:Wheat
Start	8956	End	9506
GI	none	Score	70
Exons	8956..9054, 9078..9137, 9132..9506, 9151..9423		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o1.ts	Method	TBLASTX:Soybean
Start	9129	End	9656
GI	none	Score	228
Exons	9129..9314, 9303..9656		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o1.tm	Method	TBLASTX:Maize
Start	9261	End	10223
GI	none	Score	67
Exons	9261..10223, 9468..9728, 9551..9730, 9598..9972, 9807..10199		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o5.tw	Method	TBLASTX:Wheat
Start	9513	End	9858
GI	none	Score	80
Exons	9513..9593, 9585..9740, 9742..9858, 9747..9857		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o2.np	Method	AAT/NAP
Start	9840	End	11243
GI	2462134	Score	545
Exons	9840..11243		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o3.tw	Method	TBLASTX:Wheat
Start	9861	End	10169
GI	none	Score	139
Exons	9861..10169, 9895..10149		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o2.tm	Method	TBLASTX:Maize
Start	10362	End	11129

GI	none	Score	61
Exons	10362..10439, 10363..10422, 10416..10637, 10654..10713, 10713..11069, 11091..11129		

Seq. No.	8071	Seq. ID	OJ990821_61.9C20.C3
Gene No.	17077	Strand	-
Start	9840	End	11243
Name	OJ990821_61.9C20.C3.o1.tw	Method	TBLASTX:Wheat
Start	10500	End	10910
GI	none	Score	147
Exons	10500..10718, 10713..10910		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17078	Strand	+
Start	12231	End	18842
Name	OJ990821_61.9C20.C4.o2.gp	Method	AAT/GAP
Start	12231	End	18842
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	12231..12284, 18791..18842		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17079	Strand	-
Start	542	End	1012
Name	OJ990821_61.9C20.C4.o1.gs	Method	GENSCAN
Start	542	End	1012
GI	none	Score	.56
Exons	542..1012		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17080	Strand	-
Start	2933	End	14143
Name	OJ990821_61.9C20.C4.o2.gs	Method	GENSCAN
Start	2933	End	14143
GI	none	Score	.44
Exons	2933..3301, 3964..4120, 4405..4540, 4928..4961, 5654..6043, 6878..6955, 7445..7578, 7677..7931, 8010..8348, 8442..8583, 11187..11417, 11609..11749, 12840..12916, 13201..13264, 13379..13517, 13815..13909, 13985..14143		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17080	Strand	-
Start	2933	End	14143
Name	OJ990821_61.9C20.C4.o1.np	Method	AAT/NAP
Start	6767	End	8340
GI	5042449	Score	1477
Exons	6767..6955, 7445..7578, 7677..7931, 8010..8340		
GI Descrip.	(AC007789) putative protein kinase [Oryza sativa]		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17080	Strand	-
Start	2933	End	14143
Name	OJ990821_61.9C20.C4.o2.np	Method	AAT/NAP
Start	11118	End	14143
GI	5042450	Score	1497

Exons	11118..11417, 11609..11749, 12840..12916, 13201..13264, 13379..13517, 13815..13909, 13985..14143		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17080	Strand	-
Start	2933	End	14143
Name	OJ990821_61.9C20.C4.o1.gp	Method	AAT/GAP
Start	11132	End	11612
GI	10414_1.R1084	Score	799
Exons	11132..11612		
GI Descrip.	'5042450/gb|AAD38287.1|AC007789_13 2.0e-20 (AC007789) unknown protein [Oryza sativa]'		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17081	Strand	-
Start	15207	End	16223
Name	OJ990821_61.9C20.C4.o3.gs	Method	GENSCAN
Start	15207	End	16223
GI	none	Score	.99
Exons	15207..16223		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17081	Strand	-
Start	15207	End	16223
Name	OJ990821_61.9C20.C4.o3.np	Method	AAT/NAP
Start	15210	End	16223
GI	5042451	Score	1746
Exons	15210..16223		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o4.tm	Method	TBLASTX:Maize
Start	959	End	1184
GI	none	Score	67
Exons	959..1174, 962..1075, 990..1184		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	6792	End	8268
GI	none	Score	65
Exons	6792..6890, 7475..7582, 7678..7929, 8014..8268		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	7442	End	8304
GI	none	Score	66
Exons	7442..7582, 7452..7583, 7678..7923, 7679..7900, 8011..8304		
Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-

Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	7442	End	8304
GI	none	Score	76
Exons	7442..7582, 7446..7583, 7627..7908, 7679..7717, 7742..7909, 8011..8304, 8024..8116, 8186..8257		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o1.tw	Method	TBLASTX:Wheat
Start	7490	End	7908
GI	none	Score	118
Exons	7490..7582, 7678..7908, 7679..7888		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o2.tm	Method	TBLASTX:Maize
Start	13922	End	14161
GI	none	Score	123
Exons	13922..14161, 13926..14159		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o4.ts	Method	TBLASTX:Soybean
Start	13937	End	14188
GI	none	Score	64
Exons	13937..14188, 14103..14165		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o3.tc	Method	TBLASTX:Cress
Start	13943	End	14182
GI	none	Score	226
Exons	13943..14182		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o2.tw	Method	TBLASTX:Wheat
Start	14033	End	15578
GI	none	Score	92
Exons	14033..14116, 15345..15578, 15442..15576		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o2.ts	Method	TBLASTX:Soybean
Start	15397	End	15641
GI	none	Score	175
Exons	15397..15639, 15399..15641		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-

Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o2.tc	Method	TBLASTX:Cress
Start	15417	End	15731
GI	none	Score	158
Exons	15417..15731, 15418..15729		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o3.tm	Method	TBLASTX:Maize
Start	15471	End	15762
GI	none	Score	76
Exons	15471..15509, 15522..15596, 15525..15761, 15529..15762		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o3.ts	Method	TBLASTX:Soybean
Start	15642	End	16118
GI	none	Score	87
Exons	15642..15755, 15643..15762, 15828..15911, 15828..15890, 15984..16118		

Seq. No.	8072	Seq. ID	OJ990821_61.9C20.C4
Gene No.	17082	Strand	-
Start	18111	End	19385
Name	OJ990821_61.9C20.C4.o4.gs	Method	GENSCAN
Start	18111	End	19385
GI	none	Score	.41
Exons	18111..18248, 19362..19385		

Seq. No.	8073	Seq. ID	OJ990821_61.9C20.C5
Gene No.	17083	Strand	+
Start	2025	End	4430
Name	OJ990821_61.9C20.C5.o1.gs	Method	GENSCAN
Start	2025	End	4430
GI	none	Score	.77
Exons	2025..2130, 2888..2992, 3042..3170, 4357..4430		

Seq. No.	8073	Seq. ID	OJ990821_61.9C20.C5
Gene No.	17084	Strand	-
Start	7494	End	8730
Name	OJ990821_61.9C20.C5.o1.np	Method	AAT/NAP
Start	7494	End	8730
GI	5042452	Score	895
Exons	7494..7670, 7718..7763, 8104..8323, 8607..8730		
GI Descrip.	(AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	8073	Seq. ID	OJ990821_61.9C20.C5
Gene No.	17085	Strand	-
Start	8955	End	9236
Name	OJ990821_61.9C20.C5.o3.gs	Method	GENSCAN
Start	8955	End	9236
GI	none	Score	.68
Exons	8955..9236		

Seq. No.	8073	Seq. ID	OJ990821_61.9C20.C5
Gene No.	17086	Strand	-
Start	13963	End	14382
Name	OJ990821_61.9C20.C5.o2.np	Method	AAT/NAP
Start	13963	End	14382
GI	3157935	Score	211
Exons	13963..14382		
GI Descrip.	(AC002131) Similar to STIG1 protein gb|X77823 from Nicotiana tabacum. [Arabidopsis thaliana]		

Seq. No.	8074	Seq. ID	OJ990821_61.9C20.C6
Gene No.	17087	Strand	-
Start	65	End	258
Name	OJ990821_61.9C20.C6.o1.gs	Method	GENSCAN
Start	65	End	192
GI	none	Score	.99
Exons	65..192		

Seq. No.	8074	Seq. ID	OJ990821_61.9C20.C6
Gene No.	17087	Strand	-
Start	65	End	258
Name	OJ990821_61.9C20.C6.o1.np	Method	AAT/NAP
Start	68	End	258
GI	5042446	Score	298
Exons	68..258		
GI Descrip.	(AC007789) putative WRKY DNA binding protein [Oryza sativa]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17088	Strand	+
Start	14583	End	21356
Name	OJ990821_61.9C20.C7.o2.np	Method	AAT/NAP
Start	14583	End	21356
GI	5042445	Score	3735
Exons	14583..15226, 15718..15887, 17175..17642, 17756..17906, 18212..18238, 18702..18785, 19114..19142, 19344..19465, 20720..21356		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17088	Strand	+
Start	14583	End	21356
Name	OJ990821_61.9C20.C7.o2.gp	Method	AAT/GAP
Start	17573	End	20879
GI	99198_1.R1084	Score	671
Exons	17573..17712, 17839..17906, 19344..19465, 20813..20879		
GI Descrip.	'5042445/gb|AAD38282.1|AC007789_8 5.0e-09 (AC007789) hypothetical protein [Oryza sativa]'		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17089	Strand	+
Start	23541	End	23986
Name	OJ990821_61.9C20.C7.o3.gp	Method	AAT/GAP
Start	23541	End	23986
GI	uC-osf1cyp176h04b1	Score	851
Exons	23541..23986		
GI Descrip.	'5042444/gb|AAD38281.1|AC007789_7 5.0e-32 (AC007789) putative low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17090	Strand	+
Start	28292	End	32186
Name	OJ990821_61.9C20.C7.o5.np	Method	AAT/NAP
Start	28239	End	30362
GI	6522545	Score	221
Exons	28239..28442, 30316..30362		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17090	Strand	+
Start	28292	End	32186
Name	OJ990821_61.9C20.C7.o4.gs	Method	GENSCAN
Start	28292	End	32186
GI	none	Score	.57
Exons	28292..28355, 28385..28667, 28985..29106, 29528..29550, 30205..30443, 31590..31769, 32078..32186		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17091	Strand	-
Start	1	End	11608
Name	OJ990821_61.9C20.C7.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	5042446	Score	1845
Exons	1..448, 598..711, 800..1129, 1241..1468		
GI Descrip.	(AC007789) putative WRKY DNA binding protein [Oryza sativa]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17091	Strand	-
Start	1	End	11608
Name	OJ990821_61.9C20.C7.o1.gs	Method	GENSCAN
Start	56	End	11608
GI	none	Score	.52
Exons	56..448, 598..711, 800..1129, 1241..1420, 1632..1736, 1830..2025, 2641..2885, 3349..3460, 4808..4881, 5431..5505, 6064..6495, 8065..8148, 9607..9829, 11547..11608		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17091	Strand	-
Start	1	End	11608
Name	OJ990821_61.9C20.C7.o1.gp	Method	AAT/GAP
Start	1026	End	1751
GI	11954_1.R1084	Score	707
Exons	1026..1129, 1241..1420, 1632..1751		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17092	Strand	-
Start	23686	End	24409
Name	OJ990821_61.9C20.C7.o3.np	Method	AAT/NAP
Start	23686	End	24384
GI	5042444	Score	966
Exons	23686..24147, 24241..24384		
GI Descrip.	(AC007789) putative low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17092	Strand	-
Start	23686	End	24409
Name	OJ990821_61.9C20.C7.o4.gp	Method	AAT/GAP
Start	23836	End	24409
GI	2798600	Score	586
Exons	23836..23887, 23979..24147, 24241..24409		
GI Descrip.	2407268/gb|AF017357|AF017357 1.0e-142 Oryza sativa low molecular early light-inducible protein mRNA, complete cds		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17093	Strand	-
Start	26411	End	27685
Name	OJ990821_61.9C20.C7.o4.np	Method	AAT/NAP
Start	26411	End	27685
GI	5042443	Score	2162
Exons	26411..27685		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o3.ts	Method	TBLASTX:Soybean
Start	173	End	1423
GI	none	Score	99
Exons	173..295, 174..296, 297..452, 386..460, 577..711, 596..712, 795..842, 797..871, 1296..1421, 1304..1423		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o3.tc	Method	TBLASTX:Cress
Start	291	End	865
GI	none	Score	112
Exons	291..452, 386..460, 577..711, 596..712, 615..716, 795..842, 797..865		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o2.tw	Method	TBLASTX:Wheat
Start	375	End	730
GI	none	Score	104
Exons	375..455, 378..449, 386..460, 577..729, 578..730		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o4.tm	Method	TBLASTX:Maize
Start	544	End	720
GI	none	Score	72
Exons	544..720, 554..706		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958

Name	OJ990821_61.9C20.C7.o1.tw	Method	TBLASTX:Wheat
Start	1638	End	2156
GI	none	Score	54
Exons	1638..1733, 1690..1734, 1827..1856, 1831..1857, 1908..1970, 2022..2090, 2026..2097, 2094..2156, 2102..2155		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o1.tm	Method	TBLASTX:Maize
Start	17627	End	21322
GI	none	Score	137
Exons	17627..17713, 17628..17714, 17815..17925, 17837..17968, 17838..17909, 19325..19465, 19333..19473, 19341..19466, 19343..19480, 20795..20878, 20813..20872, 20815..20922, 20930..21082, 20931..21083, 20934..21092, 21111..21170, 21118..21186, 21139..21312, 21144..21317, 21171..21320, 21173..21322		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o2.tm	Method	TBLASTX:Maize
Start	23683	End	23997
GI	none	Score	305
Exons	23683..23991, 23690..23992, 23902..23997		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o2.tc	Method	TBLASTX:Cress
Start	23692	End	24019
GI	none	Score	122
Exons	23692..23823, 23693..23836, 23902..24018, 23921..24019		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o2.ts	Method	TBLASTX:Soybean
Start	23692	End	24019
GI	none	Score	90
Exons	23692..23823, 23705..23833, 23902..24018, 23906..24019		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o1.ts	Method	TBLASTX:Soybean
Start	28207	End	28521
GI	none	Score	57
Exons	28207..28251, 28243..28437, 28247..28447, 28456..28521		

Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o3.tm	Method	TBLASTX:Maize
Start	28241	End	28535
GI	none	Score	80

Exons	28241..28297, 28251..28310, 28271..28378, 28300..28461, 28304..28444, 28452..28535		
Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o1.tc	Method	TBLASTX:Cress
Start	28243	End	28461
GI	none	Score	282
Exons	28243..28461, 28244..28444		
Seq. No.	8075	Seq. ID	OJ990821_61.9C20.C7
Gene No.	17094	Strand	-
Start	28638	End	28958
Name	OJ990821_61.9C20.C7.o5.gp	Method	AAT/GAP
Start	28638	End	28958
GI	2569_2.R1084	Score	414
Exons	28638..28958		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	8076	Seq. ID	OJ990821_61.9C20.C8
Gene No.	17095	Strand	+
Start	1	End	1180
Name	OJ990821_61.9C20.C8.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	5042442	Score	1583
Exons	1..801, 1067..1180		
GI Descrip.	(AC007789) putative CREB-binding protein [Oryza sativa]		
Seq. No.	8076	Seq. ID	OJ990821_61.9C20.C8
Gene No.	17095	Strand	+
Start	1	End	1180
Name	OJ990821_61.9C20.C8.o1.gs	Method	GENSCAN
Start	19	End	801
GI	none	Score	.91
Exons	19..801		
Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.np	Method	AAT/NAP
Start	1	End	3940
GI	5042442	Score	2527
Exons	1..63, 148..423, 1132..1260, 1378..1578, 1681..1823, 1903..2187, 2291..2430, 2708..2786, 2871..2926, 3751..3940		
GI Descrip.	(AC007789) putative CREB-binding protein [Oryza sativa]		
Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.tc	Method	TBLASTX:Cress
Start	136	End	1521
GI	none	Score	112
Exons	136..210, 138..203, 229..426, 1131..1262, 1131..1265, 1132..1266, 1351..1440, 1352..1519, 1375..1521, 1377..1520		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.gs	Method	GENSCAN
Start	148	End	4066
GI	none	Score	.77
Exons	148..423, 1378..1578, 1681..1823, 1903..2187, 2708..2786, 2871..3215, 3673..3890, 4009..4066		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o3.tm	Method	TBLASTX:Maize
Start	181	End	427
GI	none	Score	286
Exons	181..426, 181..348, 185..427		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.ts	Method	TBLASTX:Soybean
Start	286	End	1999
GI	none	Score	144
Exons	286..426, 1137..1262, 1138..1269, 1375..1425, 1426..1473, 1471..1581, 1479..1577, 1680..1835, 1680..1817, 1681..1839, 1903..1998, 1961..1999		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.tm	Method	TBLASTX:Maize
Start	1132	End	2035
GI	none	Score	158
Exons	1132..1269, 1134..1256, 1375..1581, 1375..1602, 1377..1622, 1680..1817, 1681..1839, 1723..1824, 1921..2034, 1961..2035		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o2.ts	Method	TBLASTX:Soybean
Start	2006	End	3167
GI	none	Score	84
Exons	2006..2119, 2288..2431, 2290..2460, 2709..2795, 2895..3047, 2965..3054, 3042..3167, 3048..3143		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+
Start	1	End	4489
Name	OJ990821_61.9C20.C9.o2.tm	Method	TBLASTX:Maize
Start	2314	End	3714
GI	none	Score	134
Exons	2314..2427, 2315..2431, 2340..2432, 2705..2785, 2709..2795, 2709..2795, 2710..2808, 2720..2806, 2875..3213, 2875..3177, 2895..3215, 2951..3214, 3057..3143, 3667..3714, 3669..3707		

Seq. No.	8077	Seq. ID	OJ990821_61.9C20.C9
Gene No.	17096	Strand	+

Start	1	End	4489
Name	OJ990821_61.9C20.C9.o1.gp	Method	AAT/GAP
Start	3839	End	4489
GI	21362_1.R1084	Score	1011
Exons	3839..3890, 4009..4489		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 0.0e+00 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	8078	Seq. ID	OJ990821_61.9C20.C10
Gene No.	17097	Strand	-
Start	57	End	431
Name	OJ990821_61.9C20.C10.o1.np	Method	AAT/NAP
Start	57	End	431
GI	5042441	Score	447
Exons	57..113, 216..431		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	8078	Seq. ID	OJ990821_61.9C20.C10
Gene No.	17097	Strand	-
Start	57	End	431
Name	OJ990821_61.9C20.C10.o1.gs	Method	GENSCAN
Start	216	End	431
GI	none	Score	.76
Exons	216..431		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17098	Strand	+
Start	2757	End	3617
Name	OJ990821_61.9C20.C11.o2.gs	Method	GENSCAN
Start	2757	End	3617
GI	none	Score	1
Exons	2757..3617		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17099	Strand	+
Start	3869	End	7531
Name	OJ990821_61.9C20.C11.o1.np	Method	AAT/NAP
Start	3869	End	7528
GI	5042447	Score	6460
Exons	3869..7528		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17099	Strand	+
Start	3869	End	7531
Name	OJ990821_61.9C20.C11.o3.gs	Method	GENSCAN
Start	3869	End	7531
GI	none	Score	.99
Exons	3869..7531		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17100	Strand	+
Start	8301	End	9782
Name	OJ990821_61.9C20.C11.o4.gs	Method	GENSCAN
Start	8301	End	9782
GI	none	Score	.91
Exons	8301..8685, 8949..9125, 9157..9782		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o7.tw	Method	TBLASTX:Wheat
Start	4142	End	4350
GI	none	Score	199
Exons	4142..4348, 4153..4350		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o5.tw	Method	TBLASTX:Wheat
Start	4373	End	4741
GI	none	Score	254
Exons	4373..4672, 4378..4584, 4658..4741		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o5.tm	Method	TBLASTX:Maize
Start	4376	End	4672
GI	none	Score	206
Exons	4376..4672, 4379..4660, 4393..4563		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o6.tw	Method	TBLASTX:Wheat
Start	5015	End	5431
GI	none	Score	140
Exons	5015..5224, 5032..5163, 5246..5431, 5275..5430		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o3.tw	Method	TBLASTX:Wheat
Start	5594	End	6076
GI	none	Score	551
Exons	5594..6076, 5698..6033		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o4.ts	Method	TBLASTX:Soybean
Start	5630	End	5944
GI	none	Score	183
Exons	5630..5944, 5746..5943		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o2.tm	Method	TBLASTX:Maize
Start	5663	End	6130
GI	none	Score	384
Exons	5663..6130, 5734..6033		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	6017	End	6412
GI	none	Score	57
Exons	6017..6049, 6053..6412, 6053..6196, 6169..6411		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o4.tw	Method	TBLASTX:Wheat
Start	6125	End	6427
GI	none	Score	394
Exons	6125..6427, 6125..6253, 6163..6426		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o4.tm	Method	TBLASTX:Maize
Start	6146	End	6493
GI	none	Score	325
Exons	6146..6493, 6214..6423		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o1.tw	Method	TBLASTX:Wheat
Start	6428	End	6943
GI	none	Score	628
Exons	6428..6943, 6460..6771, 6506..6853		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o3.ts	Method	TBLASTX:Soybean
Start	6434	End	6679
GI	none	Score	198
Exons	6434..6679		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	6500	End	6863
GI	none	Score	484
Exons	6500..6853, 6502..6768, 6552..6863, 6554..6838, 6555..6845		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o2.tw	Method	TBLASTX:Wheat
Start	6944	End	7420
GI	none	Score	573
Exons	6944..7420, 6974..7387, 7164..7388, 7165..7419		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11

Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o1.tc	Method	TBLASTX:Cress
Start	7127	End	7444
GI	none	Score	89
Exons	7127..7300, 7301..7444, 7303..7443		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o2.ts	Method	TBLASTX:Soybean
Start	7208	End	7468
GI	none	Score	300
Exons	7208..7468, 7213..7467		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o3.tm	Method	TBLASTX:Maize
Start	7232	End	7486
GI	none	Score	348
Exons	7232..7486, 7237..7476		

Seq. No.	8079	Seq. ID	OJ990821_61.9C20.C11
Gene No.	17101	Strand	-
Start	10557	End	10808
Name	OJ990821_61.9C20.C11.o5.gs	Method	GENSCAN
Start	10557	End	10808
GI	none	Score	.8
Exons	10557..10808		

Seq. No.	8080	Seq. ID	OJ990821_61.9C20.C13
Gene No.	17102	Strand	-
Start	1	End	602
Name	OJ990821_61.9C20.C13.o1.np	Method	AAT/NAP
Start	1	End	602
GI	2498930	Score	674
Exons	1..375, 543..602		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8080	Seq. ID	OJ990821_61.9C20.C13
Gene No.	17102	Strand	-
Start	1	End	602
Name	OJ990821_61.9C20.C13.o1.gs	Method	GENSCAN
Start	71	End	602
GI	none	Score	.9
Exons	71..375, 543..602		

Seq. No.	8081	Seq. ID	OJ990821_62.9C20.C1
Gene No.	17103	Strand	+
Start	1	End	185
Name	OJ990821_62.9C20.C1.o1.np	Method	AAT/NAP
Start	1	End	185
GI	2498930	Score	59
Exons	1..24, 111..185		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	8081	Seq. ID	OJ990821_62.9C20.C1
Gene No.	17104	Strand	+
Start	126	End	185
Name	OJ990821_62.9C20.C1.o1.gs	Method	GENSCAN
Start	126	End	185
GI	none	Score	.88
Exons	126..185		

Seq. No.	8082	Seq. ID	OJ990821_62.9C20.C2
Gene No.	17105	Strand	-
Start	1	End	783
Name	OJ990821_62.9C20.C2.o1.np	Method	AAT/NAP
Start	1	End	783
GI	4544372	Score	325
Exons	1..783		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8082	Seq. ID	OJ990821_62.9C20.C2
Gene No.	17105	Strand	-
Start	1	End	783
Name	OJ990821_62.9C20.C2.o1.gs	Method	GENSCAN
Start	138	End	683
GI	none	Score	.58
Exons	138..683		

Seq. No.	8082	Seq. ID	OJ990821_62.9C20.C2
Gene No.	17105	Strand	-
Start	1	End	783
Name	OJ990821_62.9C20.C2.o1.tw	Method	TBLASTX:Wheat
Start	168	End	578
GI	none	Score	175
Exons	168..578		

Seq. No.	8082	Seq. ID	OJ990821_62.9C20.C2
Gene No.	17105	Strand	-
Start	1	End	783
Name	OJ990821_62.9C20.C2.o1.ts	Method	TBLASTX:Soybean
Start	339	End	659
GI	none	Score	75
Exons	339..650, 439..633, 516..659		

Seq. No.	8083	Seq. ID	OJ990821_62.9C20.C3
Gene No.	17106	Strand	-
Start	180	End	267
Name	OJ990821_62.9C20.C3.o1.gs	Method	GENSCAN
Start	180	End	267
GI	none	Score	.47
Exons	180..267		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17107	Strand	+
Start	645	End	6739
Name	OJ990821_62.9C20.C4.o1.gs	Method	GENSCAN
Start	645	End	6624

GI	none	Score	.75
Exons	645..728, 2037..2108, 2297..2506, 2540..2818, 4387..4714, 4943..5271, 5574..6624		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17107	Strand	+
Start	645	End	6739
Name	OJ990821_62.9C20.C4.o1.gp	Method	AAT/GAP
Start	6229	End	6739
GI	4715835	Score	844
Exons	6229..6739		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17108	Strand	+
Start	9817	End	11100
Name	OJ990821_62.9C20.C4.o2.gp	Method	AAT/GAP
Start	9817	End	11100
GI	4715835	Score	873
Exons	9817..10230, 10993..11100		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o3.gp	Method	AAT/GAP
Start	11385	End	12073
GI	6497_1.R1084	Score	1155
Exons	11385..11808, 11895..12073		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-23 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o3.gs	Method	GENSCAN
Start	11476	End	18708
GI	none	Score	.89
Exons	11476..11689, 11740..11808, 11895..12073, 12162..12270, 12349..12434, 12541..12654, 12748..12807, 13303..13488, 13606..13719, 14146..14370, 14457..14561, 14680..14820, 14926..15030, 15109..15213, 15297..15455, 15558..15641, 15716..15827, 16024..16106, 16206..16244, 16390..16455, 16919..16961, 17652..17719, 17830..17889, 17983..18106, 18350..18450, 18583..18708		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	11736	End	13509
GI	none	Score	71
Exons	11736..11810, 11737..11808, 11892..12092, 11894..11977, 12029..12091, 12156..12263, 12162..12266, 12163..12270, 12349..12435, 12363..12473, 12538..12654, 12539..12655, 12739..12810, 13300..13509, 13301..13489		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-

Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	11736	End	13664
GI	none	Score	74
Exons	11736..11807, 11736..11810, 11737..11808, 11738..11809, 11841..12077, 11894..11977, 12029..12094, 12162..12269, 12163..12270, 12163..12270, 12325..12435, 12349..12429, 12360..12473, 12536..12655, 12539..12655, 12540..12656, 12739..12813, 12739..12810, 13292..13519, 13299..13397, 13300..13533, 13301..13534, 13603..13656, 13605..13664		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	11736	End	18450
GI	none	Score	74
Exons	11736..11810, 11737..11808, 11841..12092, 11894..11977, 11961..12053, 12029..12091, 12156..12263, 12162..12266, 12163..12288, 12306..12473, 12349..12435, 12538..12654, 12539..12655, 12542..12661, 12565..12687, 12739..12810, 12779..12823, 13300..13533, 13301..13534, 13301..13534, 13602..13721, 13603..13722, 13616..13720, 14127..14294, 14135..14320, 14144..14323, 14146..14340, 14454..14570, 14457..14561, 14461..14571, 14656..14844, 14672..14821, 14745..14825, 14878..15033, 14921..15031, 14924..15034, 14926..15033, 15098..15181, 15109..15198, 15109..15189, 15178..15216, 15296..15367, 15297..15455, 15298..15396, 15558..15638, 15558..15641, 15719..15829, 15719..15829, 16017..16112, 16185..16256, 16201..16245, 16206..16256, 16390..16458, 16919..16963, 17651..17722, 17815..17856, 17830..17889, 17834..17917, 17941..18108, 17984..18112, 17996..18109, 18349..18450		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o1.np	Method	AAT/NAP
Start	11739	End	18708
GI	4512653	Score	2774
Exons	11739..11808, 11895..12073, 12162..12270, 12349..12434, 12541..12654, 12748..12807, 13303..13518, 13606..13719, 14146..14331, 14415..14561, 14680..14820, 14926..15030, 15109..15213, 15297..15455, 15558..15635, 15716..15827, 16024..16106, 16206..16244, 16390..16455, 16919..16961, 17652..17719, 17830..17889, 17983..18106, 18350..18450, 18583..18708		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o4.gp	Method	AAT/GAP
Start	12388	End	13366
GI	LIB3433-027-P1-K1-E2	Score	493
Exons	12388..12434, 12541..12654, 12748..12807, 13303..13366		

GI Descrip.	'4512653/gb|AAD21708.1| 2.0e-40 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	8084	Seq. ID	OJ990821_62.9C20.C4
Gene No.	17109	Strand	-
Start	11476	End	18708
Name	OJ990821_62.9C20.C4.o2.tm	Method	TBLASTX:Maize
Start	13669	End	14562
GI	none	Score	75
Exons	13669..13722, 13670..13720, 14135..14356, 14144..14302, 14296..14331, 14455..14562, 14461..14556		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17110	Strand	+
Start	223	End	421
Name	OJ990821_62.9C20.C5.o1.gs	Method	GENSCAN
Start	223	End	421
GI	none	Score	.88
Exons	223..421		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.gp	Method	AAT/GAP
Start	531	End	1185
GI	472_2.R1084	Score	1266
Exons	531..1185		
GI Descrip.	'547712/sp|P35683|IF4A_ORYSA 6.0e-63 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	639	End	2775
GI	none	Score	45
Exons	639..734, 818..1465, 821..1456, 822..1457, 1204..1458, 1934..2041, 1935..2327, 1935..2369, 1939..2370, 2443..2553, 2444..2554, 2690..2761, 2690..2767, 2695..2775		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.tw	Method	TBLASTX:Wheat
Start	798	End	2154
GI	none	Score	919
Exons	798..1457, 803..1465, 1204..1458, 1933..2019, 1935..2153, 1935..2153, 1939..2154, 2080..2154		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.gs	Method	GENSCAN
Start	818	End	8830
GI	none	Score	.7

Exons	818..1453, 1938..2368, 2454..2560, 2691..2763, 3699..3832, 3950..4133, 4705..4752, 6310..6361, 6447..6561, 6656..6744, 6859..6924, 7001..7190, 7342..7568, 7642..7716, 7814..7884, 8381..8569, 8718..8830		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	818	End	2761
GI	none	Score	728
Exons	818..1465, 822..1457, 1204..1458, 1470..1508, 1933..2016, 1935..2327, 1935..2369, 1939..2370, 2427..2543, 2443..2550, 2444..2542, 2446..2550, 2690..2761		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	818	End	2785
GI	none	Score	759
Exons	818..1465, 825..1454, 1204..1455, 1933..2019, 1935..2369, 1935..2369, 1942..2370, 2427..2540, 2443..2544, 2444..2545, 2446..2547, 2690..2785		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o1.np	Method	AAT/NAP
Start	821	End	2761
GI	2341061	Score	1981
Exons	821..1453, 1938..2368, 2454..2560, 2691..2761		
GI Descrip.	(U73459) translational initiation factor eIF-4A [Zea mays]		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.tw	Method	TBLASTX:Wheat
Start	2154	End	2792
GI	none	Score	309
Exons	2154..2369, 2155..2370, 2443..2559, 2444..2557, 2454..2561, 2687..2764, 2689..2775, 2690..2791, 2730..2792		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.gp	Method	AAT/GAP
Start	2219	End	3918
GI	29552_1.R1084	Score	1027
Exons	2219..2368, 2454..2560, 2691..2763, 3699..3918		
GI Descrip.	'547712/sp|P35683|IF4A_ORYSA 4.0e-49 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		
Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-

Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	5970	End	6757
GI	none	Score	60
Exons	5970..6038, 5970..6050, 5971..6039, 6117..6233, 6117..6236, 6140..6235, 6305..6367, 6309..6368, 6310..6372, 6312..6362, 6418..6567, 6447..6593, 6447..6593, 6647..6757, 6658..6750		

Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.tc	Method	TBLASTX:Cress
Start	6538	End	7103
GI	none	Score	43
Exons	6538..6567, 6647..6730, 6658..6747, 6855..6908, 6856..6927, 6858..6926, 7001..7102, 7014..7103		

Seq. No.	8085	Seq. ID	OJ990821_62.9C20.C5
Gene No.	17111	Strand	-
Start	531	End	8830
Name	OJ990821_62.9C20.C5.o2.ts	Method	TBLASTX:Soybean
Start	6993	End	7159
GI	none	Score	127
Exons	6993..7148, 7001..7159, 7008..7154		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17112	Strand	+
Start	365	End	1118
Name	OJ990821_62.9C20.C6.o1.gs	Method	GENSCAN
Start	365	End	1118
GI	none	Score	.51
Exons	365..456, 670..1118		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.gp	Method	AAT/GAP
Start	1670	End	3067
GI	LIB3433-041-P1-K1-E1	Score	872
Exons	1670..1748, 2676..3067		
GI Descrip.	'3387899 2.0e-48 (AF070540) putative nuclear protein [Homo sapiens]'		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.tm	Method	TBLASTX:Maize
Start	1818	End	3730
GI	none	Score	36
Exons	1818..1889, 1841..1858, 1850..1888, 1851..1892, 1944..1982, 1953..1982, 1954..1983, 1995..2033, 2001..2030, 2002..2034, 2676..3722, 2676..2735, 2678..3730, 2680..2856, 2681..3724		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.tw	Method	TBLASTX:Wheat

Start	2673	End	3055
GI	none	Score	438
Exons	2673..2726, 2675..3028, 2675..3055		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o2.gs	Method	GENSCAN
Start	2681	End	6532
GI	none	Score	1
Exons	2681..6532		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o3.tc	Method	TBLASTX:Cress
Start	2681	End	2894
GI	none	Score	101
Exons	2681..2809, 2681..2818, 2813..2893, 2814..2894		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o5.ts	Method	TBLASTX:Soybean
Start	2681	End	2983
GI	none	Score	41
Exons	2681..2722, 2684..2722, 2726..2830, 2772..2834, 2816..2983, 2817..2978		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.np	Method	AAT/NAP
Start	2684	End	6553
GI	6912654	Score	4230
Exons	2684..5550, 5578..6553		
GI Descrip.	spliceosome-associated factor 155 gi|4033735 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.tc	Method	TBLASTX:Cress
Start	2894	End	3292
GI	none	Score	486
Exons	2894..3292, 2895..3290		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o1.ts	Method	TBLASTX:Soybean
Start	3058	End	3616
GI	none	Score	707
Exons	3058..3216, 3059..3616, 3060..3614		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-

Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o2.ts	Method	TBLASTX:Soybean
Start	3625	End	4124
GI	none	Score	78
Exons	3625..3705, 3632..4114, 3637..3684, 3638..4117, 4017..4118, 4047..4124		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o4.tc	Method	TBLASTX:Cress
Start	3662	End	3838
GI	none	Score	129
Exons	3662..3835, 3665..3838		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o2.tm	Method	TBLASTX:Maize
Start	3803	End	4492
GI	none	Score	815
Exons	3803..4486, 3803..4492, 4102..4485		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o2.tc	Method	TBLASTX:Cress
Start	4016	End	4242
GI	none	Score	238
Exons	4016..4240, 4047..4241, 4102..4242		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o3.ts	Method	TBLASTX:Soybean
Start	4151	End	4412
GI	none	Score	326
Exons	4151..4411, 4155..4412		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o6.ts	Method	TBLASTX:Soybean
Start	4514	End	4789
GI	none	Score	184
Exons	4514..4657, 4518..4643, 4601..4789, 4632..4787, 4649..4789		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o4.ts	Method	TBLASTX:Soybean
Start	4859	End	5114
GI	none	Score	168
Exons	4859..5113, 4865..5068, 4881..5114		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-

Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o7.ts	Method	TBLASTX:Soybean
Start	5125	End	5383
GI	none	Score	118
Exons	5125..5274, 5159..5275, 5159..5383, 5166..5369		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o3.tm	Method	TBLASTX:Maize
Start	6053	End	6517
GI	none	Score	88
Exons	6053..6157, 6090..6146, 6140..6163, 6187..6222, 6195..6224, 6233..6313, 6276..6302, 6297..6482, 6362..6517		

Seq. No.	8086	Seq. ID	OJ990821_62.9C20.C6
Gene No.	17113	Strand	-
Start	1670	End	6566
Name	OJ990821_62.9C20.C6.o2.gp	Method	AAT/GAP
Start	6054	End	6566
GI	uC-osflm202104d09b1	Score	951
Exons	6054..6566		
GI Descrip.	'4033735 7.0e-11 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]'		

Seq. No.	8087	Seq. ID	OJ990821_62.9C20.C7
Gene No.	17114	Strand	+
Start	306	End	861
Name	OJ990821_62.9C20.C7.o1.gs	Method	GENSCAN
Start	306	End	861
GI	none	Score	.63
Exons	306..518, 562..861		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17115	Strand	+
Start	3109	End	4453
Name	OJ990821_62.9C20.C8.o2.np	Method	AAT/NAP
Start	3109	End	4453
GI	6630699	Score	87
Exons	3109..3148, 4368..4453		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17116	Strand	+
Start	4590	End	5022
Name	OJ990821_62.9C20.C8.o3.np	Method	AAT/NAP
Start	4590	End	5022
GI	6539570	Score	167
Exons	4590..4784, 4956..5022		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17117	Strand	+
Start	5059	End	9578
Name	OJ990821_62.9C20.C8.o5.np	Method	AAT/NAP

Start	5059	End	9578
GI	5042463	Score	193
Exons	5059..5115, 6668..6862, 7519..7674, 7726..7835, 9547..9578		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17117	Strand	+
Start	5059	End	9578
Name	OJ990821_62.9C20.C8.o4.gs	Method	GENSCAN
Start	8272	End	8927
GI	none	Score	.68
Exons	8272..8290, 8605..8927		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17118	Strand	+
Start	9717	End	16366
Name	OJ990821_62.9C20.C8.o5.gs	Method	GENSCAN
Start	9717	End	16340
GI	none	Score	.69
Exons	9717..10069, 11253..11342, 11432..11576, 12127..12713, 12822..13350, 13366..13503, 13585..14052, 14103..16340		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17118	Strand	+
Start	9717	End	16366
Name	OJ990821_62.9C20.C8.o6.np	Method	AAT/NAP
Start	12091	End	16366
GI	5734736	Score	2810
Exons	12091..12995, 13071..14513, 14670..16366		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17119	Strand	+
Start	17124	End	17265
Name	OJ990821_62.9C20.C8.o7.np	Method	AAT/NAP
Start	17124	End	17265
GI	5777617	Score	90
Exons	17124..17265		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17120	Strand	-
Start	2797	End	4328
Name	OJ990821_62.9C20.C8.o2.gs	Method	GENSCAN
Start	2797	End	4328
GI	none	Score	.81
Exons	2797..2846, 3493..3516, 4055..4079, 4131..4328		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17120	Strand	-
Start	2797	End	4328
Name	OJ990821_62.9C20.C8.o1.np	Method	AAT/NAP
Start	3306	End	4315
GI	5922620	Score	119
Exons	3306..3341, 4055..4079, 4126..4236, 4277..4315		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17121	Strand	-
Start	5452	End	7555
Name	OJ990821_62.9C20.C8.o3.gs	Method	GENSCAN
Start	5452	End	6064
GI	none	Score	.88
Exons	5452..5456, 5686..5827, 6014..6064		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17121	Strand	-
Start	5452	End	7555
Name	OJ990821_62.9C20.C8.o4.np	Method	AAT/NAP
Start	5567	End	7555
GI	4680492	Score	301
Exons	5567..6013, 7526..7555		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o5.tw	Method	TBLASTX:Wheat
Start	12226	End	12621
GI	none	Score	234
Exons	12226..12621		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o4.tm	Method	TBLASTX:Maize
Start	12346	End	12735
GI	none	Score	208
Exons	12346..12549, 12346..12555, 12561..12671, 12562..12672, 12652..12735, 12666..12734		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o6.tm	Method	TBLASTX:Maize
Start	13156	End	13566
GI	none	Score	190
Exons	13156..13374, 13176..13331, 13192..13347, 13434..13562, 13435..13566		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o3.tw	Method	TBLASTX:Wheat
Start	13176	End	13632
GI	none	Score	174
Exons	13176..13397, 13177..13422, 13438..13557, 13500..13547, 13546..13632		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8

Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o4.ts	Method	TBLASTX:Soybean
Start	13570	End	13899
GI	none	Score	242
Exons	13570..13899, 13602..13688, 13666..13746, 13746..13898		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o2.tw	Method	TBLASTX:Wheat
Start	13705	End	14166
GI	none	Score	331
Exons	13705..14166, 13881..14153		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o3.tm	Method	TBLASTX:Maize
Start	13912	End	14336
GI	none	Score	315
Exons	13912..14208, 13926..14207, 13927..14208, 14196..14252, 14265..14336		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o3.ts	Method	TBLASTX:Soybean
Start	13939	End	14414
GI	none	Score	285
Exons	13939..14208, 13947..14207, 14181..14414		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o3.tc	Method	TBLASTX:Cress
Start	13954	End	14399
GI	none	Score	166
Exons	13954..14208, 14220..14399		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	14808	End	15308
GI	5509260	Score	414
Exons	14808..15308, 14894..15073, 15131..15280		
GI Descrip.	-		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	14835	End	15152
GI	none	Score	381
Exons	14835..15152, 14844..15140, 14891..15151		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o2.tc	Method	TBLASTX:Cress
Start	14927	End	15191
GI	none	Score	268
Exons	14927..15172, 14928..15191		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o1.tw	Method	TBLASTX:Wheat
Start	14972	End	15671
GI	none	Score	299
Exons	14972..15106, 14973..15317, 15131..15313, 15302..15412, 15303..15512, 15531..15671		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o2.tm	Method	TBLASTX:Maize
Start	15372	End	15794
GI	none	Score	376
Exons	15372..15794, 15380..15517, 15582..15761, 15590..15790		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o1.tc	Method	TBLASTX:Cress
Start	15648	End	16322
GI	none	Score	247
Exons	15648..15764, 15659..15928, 15660..15953, 15947..16075, 15948..16073, 16070..16321, 16071..16322		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o2.ts	Method	TBLASTX:Soybean
Start	15681	End	16330
GI	none	Score	139
Exons	15681..15842, 15839..16330, 15855..16328		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o4.tw	Method	TBLASTX:Wheat
Start	15846	End	16292
GI	none	Score	126
Exons	15846..16076, 16074..16292, 16094..16288		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o5.tm	Method	TBLASTX:Maize
Start	15936	End	16318
GI	none	Score	279
Exons	15936..16280, 15942..16175, 15968..16318		

Seq. No.	8088	Seq. ID	OJ990821_62.9C20.C8
Gene No.	17122	Strand	-
Start	17148	End	17478
Name	OJ990821_62.9C20.C8.o6.gs	Method	GENSCAN
Start	17148	End	17478
GI	none	Score	.43
Exons	17148..17164, 17352..17478		

Seq. No.	8089	Seq. ID	OJ990821_62.9C20.C9
Gene No.	17123	Strand	+
Start	322	End	1535
Name	OJ990821_62.9C20.C9.o1.np	Method	AAT/NAP
Start	322	End	1535
GI	5922634	Score	131
Exons	322..795, 1418..1535		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8089	Seq. ID	OJ990821_62.9C20.C9
Gene No.	17124	Strand	-
Start	1	End	1081
Name	OJ990821_62.9C20.C9.o2.np	Method	AAT/NAP
Start	1	End	1081
GI	5123712	Score	101
Exons	1..59, 892..1081		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17125	Strand	+
Start	13841	End	14069
Name	OJ990821_62.9C20.C10.o3.gp	Method	AAT/GAP
Start	13841	End	14069
GI	4715668	Score	356
Exons	13841..14069		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17126	Strand	+
Start	15281	End	18829
Name	OJ990821_62.9C20.C10.o2.gs	Method	GENSCAN
Start	15281	End	18829
GI	none	Score	.54
Exons	15281..15407, 15597..16097, 16207..16998, 17056..17324, 17418..18301, 18667..18829		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17127	Strand	-
Start	479	End	13215
Name	OJ990821_62.9C20.C10.o1.gs	Method	GENSCAN
Start	479	End	13215
GI	none	Score	.49
Exons	479..595, 1988..2068, 2167..2215, 2334..2460, 2883..2965, 3016..3061, 3111..3546, 3552..3834, 7320..7499, 10358..10442, 13107..13215		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10

Gene No.	17127	Strand	-
Start	479	End	13215
Name	OJ990821_62.9C20.C10.o1.gp	Method	AAT/GAP
Start	1840	End	2264
GI	LIB3432-056-P1-K1-B2	Score	521
Exons	1840..2068, 2167..2264		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 5.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17127	Strand	-
Start	479	End	13215
Name	OJ990821_62.9C20.C10.o2.gp	Method	AAT/GAP
Start	3516	End	3965
GI	none	Score	892
Exons	3516..3965		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17127	Strand	-
Start	479	End	13215
Name	OJ990821_62.9C20.C10.o2.ts	Method	TBLASTX:Soybean
Start	11185	End	12193
GI	none	Score	78
Exons	11185..11274, 11436..11525, 11796..11864, 11804..11869, 11955..11999, 11960..11992, 11990..12070, 11991..12071, 11992..12072, 11992..12072, 11993..12076, 12129..12191, 12143..12193		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17127	Strand	-
Start	479	End	13215
Name	OJ990821_62.9C20.C10.o1.tc	Method	TBLASTX:Cress
Start	11795	End	12082
GI	none	Score	96
Exons	11795..11869, 11796..11864, 11810..11869, 11955..11999, 11960..11992, 11990..12082, 11992..12069		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17128	Strand	
Start	20213	End	20809
Name	OJ990821_62.9C20.C10.o6.tw	Method	TBLASTX:Wheat
Start	20213	End	20809
GI	none	Score	71
Exons	20213..20338, 20534..20665, 20541..20666, 20676..20762, 20685..20774, 20693..20803, 20705..20809		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17128	Strand	
Start	20213	End	20809
Name	OJ990821_62.9C20.C10.o4.tm	Method	TBLASTX:Maize
Start	20531	End	20767
GI	none	Score	143
Exons	20531..20767, 20559..20750		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17129	Strand	
Start	20783	End	21427

Name	OJ990821_62.9C20.C10.o3.ts	Method	TBLASTX:Soybean
Start	20783	End	21130
GI	none	Score	89
Exons	20783..21007, 21008..21130		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17129	Strand	
Start	20783	End	21427
Name	OJ990821_62.9C20.C10.o5.tm	Method	TBLASTX:Maize
Start	20799	End	20968
GI	none	Score	133
Exons	20799..20963, 20801..20968, 20823..20966		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17129	Strand	
Start	20783	End	21427
Name	OJ990821_62.9C20.C10.o3.tw	Method	TBLASTX:Wheat
Start	20930	End	21319
GI	none	Score	58
Exons	20930..21319, 21009..21092, 21156..21278		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17129	Strand	
Start	20783	End	21427
Name	OJ990821_62.9C20.C10.o1.tm	Method	TBLASTX:Maize
Start	20969	End	21427
GI	none	Score	166
Exons	20969..21427, 20970..21323		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17130	Strand	
Start	21621	End	22036
Name	OJ990821_62.9C20.C10.o4.tw	Method	TBLASTX:Wheat
Start	21621	End	22036
GI	none	Score	68
Exons	21621..21827, 21623..22033, 21921..22028, 21935..22036		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17131	Strand	
Start	22037	End	22304
Name	OJ990821_62.9C20.C10.o7.tw	Method	TBLASTX:Wheat
Start	22037	End	22304
GI	none	Score	56
Exons	22037..22225, 22038..22220, 22232..22303, 22233..22304		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17132	Strand	
Start	22223	End	22786
Name	OJ990821_62.9C20.C10.o1.ts	Method	TBLASTX:Soybean
Start	22223	End	22683
GI	none	Score	49
Exons	22223..22423, 22284..22427, 22441..22683, 22475..22645		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17132	Strand	
Start	22223	End	22786
Name	OJ990821_62.9C20.C10.o2.tw	Method	TBLASTX:Wheat

Start	22310	End	22728
GI	none	Score	54
Exons	22310..22435, 22337..22423, 22408..22728, 22462..22629, 22469..22723, 22663..22725		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17132	Strand	
Start	22223	End	22786
Name	OJ990821_62.9C20.C10.o3.tm	Method	TBLASTX:Maize
Start	22420	End	22786
GI	none	Score	234
Exons	22420..22785, 22442..22786		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17133	Strand	
Start	22813	End	23272
Name	OJ990821_62.9C20.C10.o2.tm	Method	TBLASTX:Maize
Start	22813	End	23164
GI	none	Score	75
Exons	22813..23100, 22824..23051, 22826..23161, 22826..23164		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17133	Strand	
Start	22813	End	23272
Name	OJ990821_62.9C20.C10.o1.tw	Method	TBLASTX:Wheat
Start	22843	End	23272
GI	none	Score	265
Exons	22843..23268, 22844..23272		

Seq. No.	8090	Seq. ID	OJ990821_62.9C20.C10
Gene No.	17134	Strand	
Start	23489	End	23842
Name	OJ990821_62.9C20.C10.o5.tw	Method	TBLASTX:Wheat
Start	23489	End	23842
GI	none	Score	48
Exons	23489..23725, 23496..23537, 23531..23686, 23732..23842		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17135	Strand	+
Start	524	End	3034
Name	OJ990821_62.9C20.C11.o1.gs	Method	GENSCAN
Start	524	End	2746
GI	none	Score	.54
Exons	524..718, 1092..1194, 1234..1451, 1839..1914, 2561..2746		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17135	Strand	+
Start	524	End	3034
Name	OJ990821_62.9C20.C11.o2.np	Method	AAT/NAP
Start	712	End	3034
GI	130582	Score	670
Exons	712..1370, 2839..3034		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17136	Strand	+
Start	4652	End	11872
Name	OJ990821_62.9C20.C11.o2.gs	Method	GENSCAN
Start	4652	End	5380
GI	none	Score	.88
Exons	4652..4805, 5301..5380		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17136	Strand	+
Start	4652	End	11872
Name	OJ990821_62.9C20.C11.o3.np	Method	AAT/NAP
Start	4670	End	11525
GI	6705984	Score	472
Exons	4670..4833, 6116..6999, 8772..8925, 11474..11525		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17136	Strand	+
Start	4652	End	11872
Name	OJ990821_62.9C20.C11.o4.np	Method	AAT/NAP
Start	5992	End	9145
GI	6498436	Score	191
Exons	5992..6027, 7018..7140, 7189..7425, 9091..9145		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17136	Strand	+
Start	4652	End	11872
Name	OJ990821_62.9C20.C11.o3.gs	Method	GENSCAN
Start	6082	End	11872
GI	none	Score	.49
Exons	6082..6283, 6811..7140, 7192..7319, 7662..7693, 8838..8946, 10607..10677, 11163..11287, 11488..11691, 11699..11872		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17136	Strand	+
Start	4652	End	11872
Name	OJ990821_62.9C20.C11.o5.np	Method	AAT/NAP
Start	6655	End	7930
GI	266964	Score	90
Exons	6655..6889, 7793..7930		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 gi|336918 (M81884) ribosomal protein S12 [Epifagus virginiana] gi|336922 (M81884) ribosomal protein S12 [Epifagus virginiana]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17137	Strand	-
Start	1	End	491
Name	OJ990821_62.9C20.C11.o1.np	Method	AAT/NAP
Start	1	End	491
GI	6539577	Score	65
Exons	1..119, 366..491		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17138	Strand	-

Start	4250	End	4820
Name	OJ990821_62.9C20.C11.o1.gp	Method	AAT/GAP
Start	4250	End	4820
GI	42504_1.R1084	Score	1114
Exons	4250..4820		
GI Descrip.	'342676/gb|M12582|MZEMTTURF 3.0e-66 Maize (cms-T) mitochondrial TURF 2H3 sequence containing 2 ORFs'		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o3.tw	Method	TBLASTX:Wheat
Start	712	End	984
GI	none	Score	188
Exons	712..984		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	721	End	1176
GI	none	Score	50
Exons	721..792, 756..1064, 757..1074, 771..1082, 1114..1176		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o2.ts	Method	TBLASTX:Soybean
Start	1159	End	2902
GI	none	Score	206
Exons	1159..1371, 1162..1371, 2837..2902		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o3.tm	Method	TBLASTX:Maize
Start	1176	End	3028
GI	none	Score	242
Exons	1176..1370, 1177..1371, 1177..1371, 2834..3028, 2844..3023, 2899..3027		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o4.tm	Method	TBLASTX:Maize
Start	6116	End	6315
GI	none	Score	75
Exons	6116..6235, 6132..6314, 6133..6315		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o1.tw	Method	TBLASTX:Wheat
Start	6148	End	6719
GI	none	Score	118
Exons	6148..6315, 6151..6318, 6335..6586, 6339..6686, 6341..6433, 6369..6563, 6482..6646, 6627..6719		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	6181	End	6569
GI	none	Score	101
Exons	6181..6315, 6348..6569		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o1.tc	Method	TBLASTX:Cress
Start	7782	End	8049
GI	none	Score	71
Exons	7782..7859, 7802..7843, 7837..7998, 7841..7999, 7846..8013, 7999..8049, 8000..8047		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o2.tw	Method	TBLASTX:Wheat
Start	7782	End	8047
GI	none	Score	58
Exons	7782..7841, 7808..7849, 7808..7840, 7810..7842, 7844..7999, 7844..7996, 7849..8013, 7982..8047, 8000..8047		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o2.tm	Method	TBLASTX:Maize
Start	7782	End	8049
GI	none	Score	63
Exons	7782..7844, 7808..7849, 7808..7843, 7810..7845, 7838..7996, 7841..7999, 7845..8000, 7849..8013, 7982..8047, 7999..8040, 7999..8049, 8000..8047		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o6.np	Method	AAT/NAP
Start	7861	End	11506
GI	1698548	Score	100
Exons	7861..7888, 9669..9885, 11440..11506		
GI Descrip.	(U58971) calmodulin-binding protein [Nicotiana tabacum]		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o3.gp	Method	AAT/GAP
Start	9536	End	10673
GI	none	Score	1825
Exons	9536..10036, 10190..10673		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506

Name	OJ990821_62.9C20.C11.o5.tm	Method	TBLASTX:Maize
Start	9634	End	9895
GI	none	Score	174
Exons	9634..9843, 9674..9850, 9681..9839, 9839..9880, 9848..9895		

Seq. No.	8091	Seq. ID	OJ990821_62.9C20.C11
Gene No.	17139	Strand	-
Start	7861	End	11506
Name	OJ990821_62.9C20.C11.o4.gp	Method	AAT/GAP
Start	11045	End	11417
GI	LIB3431-056-P1-K1-F7	Score	711
Exons	11045..11417		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-11 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17140	Strand	+
Start	6077	End	13015
Name	OJ990821_62.9C20.C12.o2.gs	Method	GENSCAN
Start	6077	End	12741
GI	none	Score	.43
Exons	6077..6856, 7093..7284, 7441..8348, 8406..8656, 9019..9698, 9730..10863, 10936..11940, 12601..12741		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17140	Strand	+
Start	6077	End	13015
Name	OJ990821_62.9C20.C12.o1.np	Method	AAT/NAP
Start	6731	End	13015
GI	4544372	Score	1185
Exons	6731..6878, 9351..9504, 9806..10863, 10923..11293, 11402..13015		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17141	Strand	-
Start	1343	End	4536
Name	OJ990821_62.9C20.C12.o1.gs	Method	GENSCAN
Start	1343	End	4536
GI	none	Score	.66
Exons	1343..2442, 4455..4536		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17142	Strand	
Start	9222	End	9560
Name	OJ990821_62.9C20.C12.o6.ts	Method	TBLASTX:Soybean
Start	9222	End	9560
GI	none	Score	188
Exons	9222..9560		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o5.ts	Method	TBLASTX:Soybean
Start	9970	End	10335
GI	none	Score	126
Exons	9970..10194, 10201..10335		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o1.tw	Method	TBLASTX:Wheat
Start	10132	End	10536
GI	none	Score	73
Exons	10132..10188, 10132..10164, 10140..10178, 10183..10536, 10191..10493, 10195..10536		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o2.tm	Method	TBLASTX:Maize
Start	10186	End	10404
GI	none	Score	287
Exons	10186..10404, 10186..10386, 10191..10403		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o1.tm	Method	TBLASTX:Maize
Start	10405	End	10863
GI	none	Score	528
Exons	10405..10863, 10405..10794, 10713..10862		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o3.tw	Method	TBLASTX:Wheat
Start	10537	End	10935
GI	none	Score	187
Exons	10537..10857, 10554..10661, 10834..10935		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17143	Strand	
Start	9970	End	11022
Name	OJ990821_62.9C20.C12.o2.ts	Method	TBLASTX:Soybean
Start	10552	End	11022
GI	none	Score	209
Exons	10552..10833, 10590..10658, 10834..11022, 10866..11009		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17144	Strand	
Start	11173	End	11616
Name	OJ990821_62.9C20.C12.o1.ts	Method	TBLASTX:Soybean
Start	11173	End	11585
GI	none	Score	154
Exons	11173..11310, 11175..11300, 11326..11583, 11343..11585		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17144	Strand	
Start	11173	End	11616
Name	OJ990821_62.9C20.C12.o2.tw	Method	TBLASTX:Wheat
Start	11218	End	11616
GI	none	Score	77
Exons	11218..11307, 11347..11616		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17145	Strand	
Start	12034	End	12435
Name	OJ990821_62.9C20.C12.o3.tm	Method	TBLASTX:Maize
Start	12034	End	12414
GI	none	Score	77
Exons	12034..12192, 12190..12414		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17145	Strand	
Start	12034	End	12435
Name	OJ990821_62.9C20.C12.o4.ts	Method	TBLASTX:Soybean
Start	12073	End	12435
GI	none	Score	219
Exons	12073..12435		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17146	Strand	
Start	12595	End	13026
Name	OJ990821_62.9C20.C12.o4.tw	Method	TBLASTX:Wheat
Start	12595	End	13000
GI	none	Score	78
Exons	12595..12726, 12773..13000, 12823..12999		

Seq. No.	8092	Seq. ID	OJ990821_62.9C20.C12
Gene No.	17146	Strand	
Start	12595	End	13026
Name	OJ990821_62.9C20.C12.o3.ts	Method	TBLASTX:Soybean
Start	12776	End	13026
GI	none	Score	243
Exons	12776..13015, 12778..12909, 12985..13026		

Seq. No.	8093	Seq. ID	OJ990821_62.9C20.C13
Gene No.	17147	Strand	-
Start	197	End	2929
Name	OJ990821_62.9C20.C13.o1.gs	Method	GENSCAN
Start	197	End	2929
GI	none	Score	.62
Exons	197..822, 1085..1173, 1309..2525, 2624..2929		

Seq. No.	8094	Seq. ID	OJ990821_54.9C15.C1
Gene No.	17148	Strand	+
Start	490	End	550
Name	OJ990821_54.9C15.C1.o1.np	Method	AAT/NAP
Start	490	End	550
GI	2498930	Score	47
Exons	490..550		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8094	Seq. ID	OJ990821_54.9C15.C1
Gene No.	17149	Strand	+
Start	491	End	550
Name	OJ990821_54.9C15.C1.o1.gs	Method	GENSCAN
Start	491	End	550
GI	none	Score	.78

Exons	491..550		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17150	Strand	+
Start	1	End	975
Name	OJ990821_54.9C15.C3.o1.np	Method	AAT/NAP
Start	1	End	975
GI	130997	Score	169
Exons	1..134, 307..355, 426..734, 777..975		
GI Descrip.	REPETITIVE PROLINE-RICH CELL WALL PROTEIN 1 PRECURSOR gi|81809|pir||A29324 proline-rich protein precursor - soybean gi|170049 (J02746) proline-rich protein [Glycine max]		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17151	Strand	+
Start	2155	End	2556
Name	OJ990821_54.9C15.C3.o1.gs	Method	GENSCAN
Start	2155	End	2556
GI	none	Score	.99
Exons	2155..2224, 2432..2556		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17152	Strand	+
Start	4081	End	5392
Name	OJ990821_54.9C15.C3.o2.gs	Method	GENSCAN
Start	4081	End	5392
GI	none	Score	.96
Exons	4081..4148, 4575..4774, 4938..5033, 5199..5392		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17153	Strand	+
Start	6552	End	11343
Name	OJ990821_54.9C15.C3.o3.gs	Method	GENSCAN
Start	6552	End	11343
GI	none	Score	.79
Exons	6552..6557, 6882..7082, 7698..7928, 8202..8372, 9043..9120, 9551..9740, 10529..11343		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17153	Strand	+
Start	6552	End	11343
Name	OJ990821_54.9C15.C3.o2.np	Method	AAT/NAP
Start	7659	End	8528
GI	4234848	Score	362
Exons	7659..7835, 7869..8528		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17154	Strand	+
Start	12718	End	16602
Name	OJ990821_54.9C15.C3.o4.gs	Method	GENSCAN
Start	12718	End	16602
GI	none	Score	.65
Exons	12718..12799, 13408..13550, 13647..13889, 14023..14808, 15184..15618, 15679..15753, 15812..15895, 16078..16602		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3

Gene No.	17155	Strand	+
Start	23901	End	24397
Name	OJ990821_54.9C15.C3.o5.np	Method	AAT/NAP
Start	23901	End	24394
GI	4680179	Score	648
Exons	23901..24394		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17155	Strand	+
Start	23901	End	24397
Name	OJ990821_54.9C15.C3.o9.gs	Method	GENSCAN
Start	23972	End	24397
GI	none	Score	1
Exons	23972..24397		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17156	Strand	+
Start	26430	End	26811
Name	OJ990821_54.9C15.C3.o2.gp	Method	AAT/GAP
Start	26430	End	26811
GI	uC-osflcyp033a04b1	Score	579
Exons	26430..26811		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17157	Strand	+
Start	28255	End	36699
Name	OJ990821_54.9C15.C3.o11.gs	Method	GENSCAN
Start	28255	End	28947
GI	none	Score	.71
Exons	28255..28947		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17157	Strand	+
Start	28255	End	36699
Name	OJ990821_54.9C15.C3.o7.np	Method	AAT/NAP
Start	28477	End	36149
GI	4234854	Score	3149
Exons	28477..29025, 32219..32915, 34493..35344, 35370..36149		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17157	Strand	+
Start	28255	End	36699
Name	OJ990821_54.9C15.C3.o3.gp	Method	AAT/GAP
Start	31122	End	31503
GI	uC-osflcyp033a04b1	Score	659
Exons	31122..31503		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17157	Strand	+
Start	28255	End	36699
Name	OJ990821_54.9C15.C3.o13.gs	Method	GENSCAN

Start	31411	End	34909
GI	none	Score	.68
Exons	31411..31455, 32177..32420, 32533..32934, 32964..33146, 33238..33334, 34342..34909		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17157	Strand	+
Start	28255	End	36699
Name	OJ990821_54.9C15.C3.o14.gs	Method	GENSCAN
Start	35742	End	36699
GI	none	Score	.52
Exons	35742..36104, 36349..36699		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17158	Strand	+
Start	37542	End	41719
Name	OJ990821_54.9C15.C3.o8.np	Method	AAT/NAP
Start	37542	End	41719
GI	4262239	Score	76
Exons	37542..37573, 38824..38967, 41688..41719		
GI Descrip.	(AC006200) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17159	Strand	-
Start	17110	End	23871
Name	OJ990821_54.9C15.C3.o5.gs	Method	GENSCAN
Start	17110	End	20113
GI	none	Score	.96
Exons	17110..18729, 18777..19029, 19293..20113		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17159	Strand	-
Start	17110	End	23871
Name	OJ990821_54.9C15.C3.o3.np	Method	AAT/NAP
Start	17131	End	23329
GI	4544372	Score	1212
Exons	17131..18702, 18807..20245, 23305..23329		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17159	Strand	-
Start	17110	End	23871
Name	OJ990821_54.9C15.C3.o6.gs	Method	GENSCAN
Start	20344	End	20820
GI	none	Score	.42
Exons	20344..20820		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17159	Strand	-
Start	17110	End	23871
Name	OJ990821_54.9C15.C3.o7.gs	Method	GENSCAN
Start	20975	End	22837
GI	none	Score	.96
Exons	20975..22578, 22771..22837		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3

Gene No.	17159	Strand	-
Start	17110	End	23871
Name	OJ990821_54.9C15.C3.o8.gs	Method	GENSCAN
Start	23000	End	23871
GI	none	Score	.96
Exons	23000..23522, 23528..23871		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17160	Strand	-
Start	25073	End	27080
Name	OJ990821_54.9C15.C3.o10.gs	Method	GENSCAN
Start	25073	End	27080
GI	none	Score	.94
Exons	25073..25655, 26660..26713, 26974..27080		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17160	Strand	-
Start	25073	End	27080
Name	OJ990821_54.9C15.C3.o6.np	Method	AAT/NAP
Start	25080	End	25513
GI	4680185	Score	438
Exons	25080..25513		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17161	Strand	-
Start	38301	End	38864
Name	OJ990821_54.9C15.C3.o15.gs	Method	GENSCAN
Start	38301	End	38864
GI	none	Score	.71
Exons	38301..38864		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o7.tm	Method	TBLASTX:Maize
Start	2723	End	3356
GI	none	Score	77
Exons	2723..2890, 2728..2886, 2731..2892, 2760..2852, 2761..2925, 2767..2901, 2767..2859, 2773..2865, 2779..2889, 2787..2813, 2839..2928, 2839..2931, 2893..2985, 2896..2985, 2907..3080, 2914..3075, 2914..3072, 2922..3077, 2923..3072, 2932..3087, 2934..3086, 2935..3087, 2959..3105, 2966..3094, 2974..3105, 3031..3207, 3097..3204, 3097..3204, 3108..3233, 3111..3230, 3121..3219, 3131..3253, 3131..3250, 3131..3241, 3135..3257, 3228..3356, 3275..3313, 3277..3312		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o2.tm	Method	TBLASTX:Maize
Start	7755	End	28258
GI	none	Score	151
Exons	7755..7934, 7757..7969, 7912..8064, 8036..8173, 8073..8321, 8075..8320, 8239..8361, 8415..8495, 8444..8485, 28196..28258		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3

Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o5.ts	Method	TBLASTX:Soybean
Start	17120	End	17370
GI	none	Score	46
Exons	17120..17158, 17125..17370, 17231..17368		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o6.tw	Method	TBLASTX:Wheat
Start	17146	End	17553
GI	none	Score	116
Exons	17146..17553, 17180..17545		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o6.ts	Method	TBLASTX:Soybean
Start	17713	End	18111
GI	none	Score	83
Exons	17713..18111, 17894..18007		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o9.tm	Method	TBLASTX:Maize
Start	17968	End	18324
GI	none	Score	216
Exons	17968..18324		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o2.ts	Method	TBLASTX:Soybean
Start	18563	End	18974
GI	none	Score	71
Exons	18563..18715, 18565..18717, 18730..18816, 18732..18815, 18837..18974, 18841..18972		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o3.ts	Method	TBLASTX:Soybean
Start	19062	End	19546
GI	none	Score	75
Exons	19062..19133, 19151..19273, 19265..19546, 19389..19508		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o7.tw	Method	TBLASTX:Wheat
Start	19163	End	19561
GI	none	Score	101
Exons	19163..19273, 19226..19561, 19230..19544		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3

Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o1.tm	Method	TBLASTX:Maize
Start	19232	End	19693
GI	none	Score	203
Exons	19232..19693, 19233..19541, 19304..19693		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o2.tw	Method	TBLASTX:Wheat
Start	19562	End	19966
GI	none	Score	263
Exons	19562..19915, 19605..19904, 19910..19966, 19920..19961		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o4.tm	Method	TBLASTX:Maize
Start	19694	End	19904
GI	none	Score	199
Exons	19694..19903, 19695..19904		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o8.ts	Method	TBLASTX:Soybean
Start	20539	End	20877
GI	none	Score	203
Exons	20539..20877		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o3.tw	Method	TBLASTX:Wheat
Start	23960	End	24349
GI	none	Score	384
Exons	23960..24349, 23962..24285		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o3.tm	Method	TBLASTX:Maize
Start	23992	End	24253
GI	none	Score	292
Exons	23992..24252, 23993..24253		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o1.ts	Method	TBLASTX:Soybean
Start	28567	End	28944
GI	none	Score	326
Exons	28567..28944, 28578..28784		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-

Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o5.tw	Method	TBLASTX:Wheat
Start	28729	End	32582
GI	none	Score	241
Exons	28729..28968, 28746..28976, 28842..28967, 32207..32410, 32224..32415, 32416..32493, 32502..32582		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o5.tm	Method	TBLASTX:Maize
Start	30137	End	38918
GI	none	Score	71
Exons	30137..30268, 38668..38913, 38734..38913, 38745..38918		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o10.tm	Method	TBLASTX:Maize
Start	32219	End	32493
GI	none	Score	160
Exons	32219..32410, 32395..32493		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o7.ts	Method	TBLASTX:Soybean
Start	34628	End	35046
GI	5509260	Score	204
Exons	34628..34888, 34628..34732, 34717..34884, 34934..34969, 34999..35046		
GI Descrip.	-		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o8.tm	Method	TBLASTX:Maize
Start	34628	End	34890
GI	none	Score	221
Exons	34628..34888, 34636..34797, 34816..34890		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o1.tw	Method	TBLASTX:Wheat
Start	34756	End	35543
GI	none	Score	142
Exons	34756..34905, 34757..34906, 34781..34924, 34929..35000, 34929..34997, 35000..35083, 35003..35080, 35008..35085, 35069..35344, 35107..35343, 35348..35539, 35349..35543		

Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o6.tm	Method	TBLASTX:Maize
Start	35183	End	35639
GI	none	Score	87

Exons	35183..35356, 35343..35639, 35483..35638		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o4.ts	Method	TBLASTX:Soybean
Start	35529	End	36095
GI	none	Score	110
Exons	35529..35711, 35724..35915, 35904..36095		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o4.tw	Method	TBLASTX:Wheat
Start	35699	End	36098
GI	none	Score	272
Exons	35699..35932, 35703..36098		
Seq. No.	8095	Seq. ID	OJ990821_54.9C15.C3
Gene No.	17162	Strand	-
Start	40379	End	43482
Name	OJ990821_54.9C15.C3.o16.gs	Method	GENSCAN
Start	40379	End	43482
GI	none	Score	.49
Exons	40379..40537, 40662..40763, 43332..43482		
Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17163	Strand	+
Start	123	End	7828
Name	OJ990821_54.9C15.C4.o1.gs	Method	GENSCAN
Start	123	End	5892
GI	none	Score	.49
Exons	123..203, 1091..1237, 4927..5006, 5416..5892		
Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17163	Strand	+
Start	123	End	7828
Name	OJ990821_54.9C15.C4.o2.np	Method	AAT/NAP
Start	4271	End	6395
GI	4063751	Score	267
Exons	4271..4291, 4923..5006, 5416..5880, 6309..6395		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		
Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17163	Strand	+
Start	123	End	7828
Name	OJ990821_54.9C15.C4.o1.np	Method	AAT/NAP
Start	5416	End	7828
GI	6319856	Score	257
Exons	5416..5902, 7806..7828		
GI Descrip.	Active transport ATPase; Adp1p gi|113449|sp|P25371|ADP1_YEAST PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR gi|83202|pir||S19421 ATP-dependent permease ADP1 precursor - yeast (Saccharomyces cerevisiae) gi|1907154|emb|CAA42328| (X59720) YCR011c, len:1049 [Saccharomyces cerevisiae]		
Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4

Gene No.	17164	Strand	-
Start	6774	End	7828
Name	OJ990821_54.9C15.C4.o1.ts	Method	TBLASTX:Soybean
Start	4923	End	5880
GI	none	Score	86
Exons	4923..5006, 5419..5763, 5421..5762, 5760..5873, 5764..5880		

Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17164	Strand	-
Start	6774	End	7828
Name	OJ990821_54.9C15.C4.o1.tc	Method	TBLASTX:Cress
Start	5416	End	6398
GI	none	Score	76
Exons	5416..5484, 5485..5880, 5691..5858, 6306..6398, 6308..6397		

Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17164	Strand	-
Start	6774	End	7828
Name	OJ990821_54.9C15.C4.o1.tm	Method	TBLASTX:Maize
Start	5416	End	6398
GI	none	Score	411
Exons	5416..5880, 5421..5879, 6306..6398, 6308..6397		

Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17164	Strand	-
Start	6774	End	7828
Name	OJ990821_54.9C15.C4.o2.gs	Method	GENSCAN
Start	6774	End	7689
GI	none	Score	.68
Exons	6774..6782, 6863..7033, 7243..7300, 7427..7469, 7629..7689		

Seq. No.	8096	Seq. ID	OJ990821_54.9C15.C4
Gene No.	17164	Strand	-
Start	6774	End	7828
Name	OJ990821_54.9C15.C4.o3.np	Method	AAT/NAP
Start	6980	End	7828
GI	5042454	Score	174
Exons	6980..7033, 7426..7601, 7791..7828		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17165	Strand	+
Start	1	End	2228
Name	OJ990821_54.9C15.C5.o1.np	Method	AAT/NAP
Start	1	End	2228
GI	4063751	Score	338
Exons	1..36, 737..908, 1575..2228		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17165	Strand	+
Start	1	End	2228
Name	OJ990821_54.9C15.C5.o1.gs	Method	GENSCAN
Start	717	End	2207
GI	none	Score	.96
Exons	717..908, 1015..1101, 1575..2207		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17166	Strand	+
Start	3725	End	4438
Name	OJ990821_54.9C15.C5.o2.gs	Method	GENSCAN
Start	3725	End	4438
GI	none	Score	.7
Exons	3725..3808, 4093..4346, 4408..4438		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o1.tm	Method	TBLASTX:Maize
Start	713	End	1613
GI	none	Score	202
Exons	713..829, 715..891, 716..892, 1012..1104, 1014..1103, 1572..1613		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o1.tc	Method	TBLASTX:Cress
Start	1572	End	2186
GI	none	Score	307
Exons	1572..1991, 2055..2186		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o1.ts	Method	TBLASTX:Soybean
Start	1572	End	2168
GI	none	Score	414
Exons	1572..2009, 1598..1807, 1868..1984, 2024..2158, 2025..2168, 2028..2162		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o1.tw	Method	TBLASTX:Wheat
Start	1644	End	1991
GI	none	Score	198
Exons	1644..1991, 1727..1930		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o2.tm	Method	TBLASTX:Maize
Start	1770	End	2183
GI	none	Score	151
Exons	1770..1991, 1859..1996, 2025..2183		

Seq. No.	8097	Seq. ID	OJ990821_54.9C15.C5
Gene No.	17167	Strand	-
Start	5843	End	6405
Name	OJ990821_54.9C15.C5.o3.gs	Method	GENSCAN
Start	5843	End	6405
GI	none	Score	.42
Exons	5843..5919, 6035..6119, 6167..6405		

Seq. No.	8098	Seq. ID	OJ990821_54.9C15.C7
Gene No.	17168	Strand	+
Start	55	End	252
Name	OJ990821_54.9C15.C7.o1.gs	Method	GENSCAN
Start	55	End	252
GI	none	Score	.74
Exons	55..252		

Seq. No.	8098	Seq. ID	OJ990821_54.9C15.C7
Gene No.	17169	Strand	-
Start	757	End	933
Name	OJ990821_54.9C15.C7.o1.np	Method	AAT/NAP
Start	698	End	933
GI	4680179	Score	290
Exons	698..933		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8098	Seq. ID	OJ990821_54.9C15.C7
Gene No.	17169	Strand	-
Start	757	End	933
Name	OJ990821_54.9C15.C7.o2.gs	Method	GENSCAN
Start	757	End	855
GI	none	Score	.52
Exons	757..855		

Seq. No.	8099	Seq. ID	OJ990821_54.9C15.C10
Gene No.	17170	Strand	-
Start	1	End	1359
Name	OJ990821_54.9C15.C10.o1.np	Method	AAT/NAP
Start	1	End	1359
GI	6907089	Score	1307
Exons	1..1241, 1335..1359		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8099	Seq. ID	OJ990821_54.9C15.C10
Gene No.	17170	Strand	-
Start	1	End	1359
Name	OJ990821_54.9C15.C10.o1.gs	Method	GENSCAN
Start	44	End	1241
GI	none	Score	.98
Exons	44..1241		

Seq. No.	8100	Seq. ID	OJ990821_54.9C15.C11
Gene No.	17171	Strand	+
Start	158	End	518
Name	OJ990821_54.9C15.C11.o1.gs	Method	GENSCAN
Start	158	End	518
GI	none	Score	.47
Exons	158..338, 397..518		

Seq. No.	8101	Seq. ID	OJ990821_54.9C15.C14
Gene No.	17172	Strand	+
Start	124	End	264
Name	OJ990821_54.9C15.C14.o1.gs	Method	GENSCAN
Start	124	End	264
GI	none	Score	.84
Exons	124..264		

Seq. No.	8102	Seq. ID	OJ990821_54.9C15.C15
Gene No.	17173	Strand	+
Start	1	End	465
Name	OJ990821_54.9C15.C15.o1.np	Method	AAT/NAP
Start	1	End	465
GI	5295950	Score	68
Exons	1..207, 440..465		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17174	Strand	+
Start	1	End	6818
Name	OJ990821_57.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	3685
GI	6498441	Score	3878
Exons	1..101, 198..921, 1093..2004, 2825..3310, 3404..3685		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17174	Strand	+
Start	1	End	6818
Name	OJ990821_57.9C17.C1.o3.np	Method	AAT/NAP
Start	1	End	6818
GI	6063554	Score	129
Exons	1..67, 3440..3552, 5574..5727, 6646..6818		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17174	Strand	+
Start	1	End	6818
Name	OJ990821_57.9C17.C1.o1.gs	Method	GENSCAN
Start	80	End	3688
GI	none	Score	.79
Exons	80..1926, 2119..2199, 2577..2599, 2986..3232, 3242..3688		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17174	Strand	+
Start	1	End	6818
Name	OJ990821_57.9C17.C1.o2.np	Method	AAT/NAP
Start	1199	End	4973
GI	4539665	Score	492
Exons	1199..1256, 1799..2004, 2822..3488, 4549..4973		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17175	Strand	+
Start	6741	End	17412
Name	OJ990821_57.9C17.C1.o4.np	Method	AAT/NAP
Start	6741	End	11323
GI	5724769	Score	285
Exons	6741..6767, 7901..8390, 11117..11323		

GI Descrip.	(AF160181) contains similarity to a family of Arabidopsis thaliana hypothetical proteins; see GB:AF077408		
Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17175	Strand	+
Start	6741	End	17412
Name	OJ990821_57.9C17.C1.o3.gs	Method	GENSCAN
Start	8053	End	17412
GI	none	Score	.42
Exons	8053..8437, 8901..8962, 10178..10367, 10885..11069, 11149..12562, 13016..13511, 13627..14712, 15402..15530, 15735..15807, 15863..16426, 17353..17412		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17175	Strand	+
Start	6741	End	17412
Name	OJ990821_57.9C17.C1.o5.np	Method	AAT/NAP
Start	13892	End	15585
GI	5902445	Score	764
Exons	13892..15364, 15442..15585		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17176	Strand	+
Start	23074	End	26786
Name	OJ990821_57.9C17.C1.o6.gs	Method	GENSCAN
Start	23074	End	26786
GI	none	Score	.57
Exons	23074..23132, 23216..23321, 23399..23709, 24581..24869, 25803..25917, 26145..26329, 26358..26487, 26713..26786		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	55	End	14773
GI	none	Score	94
Exons	55..201, 14312..14773, 14312..14701, 14461..14772		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	55	End	14911
GI	none	Score	334
Exons	55..411, 57..218, 14558..14740, 14741..14911		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o4.ts	Method	TBLASTX:Soybean
Start	55	End	14929
GI	none	Score	208
Exons	55..360, 14459..14740, 14497..14634, 14741..14929, 14785..14916		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-

Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	793	End	15471
GI	none	Score	226
Exons	793..1008, 858..1004, 1078..1227, 1089..1226, 15011..15214, 15112..15213, 15254..15382, 15256..15330, 15382..15471		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o5.ts	Method	TBLASTX:Soybean
Start	916	End	15531
GI	none	Score	84
Exons	916..1008, 1081..1326, 15080..15217, 15082..15213, 15239..15382, 15382..15531		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o9.tw	Method	TBLASTX:Wheat
Start	1230	End	1542
GI	none	Score	195
Exons	1230..1406, 1261..1431, 1282..1542		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o8.tw	Method	TBLASTX:Wheat
Start	1633	End	2004
GI	none	Score	258
Exons	1633..2004, 1747..1926, 1764..1943		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o4.tm	Method	TBLASTX:Maize
Start	1735	End	2878
GI	none	Score	285
Exons	1735..2004, 1752..2000, 2816..2878		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o5.tw	Method	TBLASTX:Wheat
Start	2797	End	3178
GI	none	Score	318
Exons	2797..2871, 2801..3178, 2896..3039		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	4551	End	4946
GI	none	Score	366
Exons	4551..4730, 4557..4946, 4559..4894		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1

Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1:o6.tm	Method	TBLASTX:Maize
Start	4590	End	4850
GI	none	Score	257
Exons	4590..4850, 4602..4817, 4709..4849		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o3.ts	Method	TBLASTX:Soybean
Start	7915	End	8307
GI	none	Score	276
Exons	7915..8208, 7920..8207, 8218..8307		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o7.tw	Method	TBLASTX:Wheat
Start	7915	End	8211
GI	none	Score	294
Exons	7915..8211, 7920..8210		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o6.ts	Method	TBLASTX:Soybean
Start	13129	End	13467
GI	none	Score	198
Exons	13129..13467		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o7.ts	Method	TBLASTX:Soybean
Start	13877	End	14242
GI	none	Score	113
Exons	13877..14095, 14108..14242		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	14039	End	14443
GI	none	Score	72
Exons	14039..14101, 14090..14443, 14099..14443		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o5.tm	Method	TBLASTX:Maize
Start	14093	End	14311
GI	none	Score	265
Exons	14093..14311, 14093..14293, 14206..14310		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-

Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o6.np	Method	AAT/NAP
Start	19872	End	23079
GI	4545304	Score	165
Exons	19872..19925, 22191..22417, 22835..23079		
GI Descrip.	(AF126488) nuclear inhibitor of phosphatase-1 [Homo sapiens] gi|4581606|gb|AAD24669.1| (AF064757) nuclear inhibitor of protein phosphatase-1 alpha [Homo sapiens] gi|4883485|gb|AAD31541.1|AF061958_1 (AF061958) nuclear inhibitor of protein phosphatase-1 alpha [Homo sapiens]		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o5.gs	Method	GENSCAN
Start	21619	End	22868
GI	none	Score	.85
Exons	21619..22397, 22838..22868		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	21648	End	22029
GI	none	Score	92
Exons	21648..21671, 21719..21859, 21730..21861, 21856..22029, 21857..21976, 21880..22029		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	21669	End	22219
GI	none	Score	69
Exons	21669..21851, 21679..21852, 21685..21864, 21686..21859, 21766..22077, 21849..22109, 21860..21976, 21880..22110, 22064..22111, 22140..22217, 22140..22217, 22148..22219, 22150..22218		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	22873	End	23297
GI	none	Score	181
Exons	22873..23067, 22874..23059, 23238..23297		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o3.tm	Method	TBLASTX:Maize
Start	22879	End	23314
GI	none	Score	130
Exons	22879..22971, 22880..22984, 22881..22979, 22974..23075, 22975..23121, 22976..23122, 23121..23177, 23121..23183, 23189..23314, 23196..23306		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o2.ts	Method	TBLASTX:Soybean
Start	22882	End	23291
GI	none	Score	200
Exons	22882..23127, 22883..23062, 23127..23291, 23220..23288		

Seq. No.	8103	Seq. ID	OJ990821_57.9C17.C1
Gene No.	17177	Strand	-
Start	21619	End	23314
Name	OJ990821_57.9C17.C1.o6.tw	Method	TBLASTX:Wheat
Start	22909	End	23195
GI	none	Score	256
Exons	22909..23148, 22910..23095, 23098..23178, 23121..23195, 23123..23194		

Seq. No.	8104	Seq. ID	OJ990821_57.9C17.C2
Gene No.	17178	Strand	+
Start	99	End	1930
Name	OJ990821_57.9C17.C2.o1.gs	Method	GENSCAN
Start	99	End	1905
GI	none	Score	.79
Exons	99..169, 295..1300, 1398..1905		

Seq. No.	8104	Seq. ID	OJ990821_57.9C17.C2
Gene No.	17178	Strand	+
Start	99	End	1930
Name	OJ990821_57.9C17.C2.o1.np	Method	AAT/NAP
Start	596	End	1930
GI	2130141	Score	647
Exons	596..790, 914..1323, 1418..1930		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	8104	Seq. ID	OJ990821_57.9C17.C2
Gene No.	17178	Strand	+
Start	99	End	1930
Name	OJ990821_57.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	1397	End	1788
GI	none	Score	330
Exons	1397..1636, 1398..1670, 1640..1783, 1640..1783, 1641..1787, 1726..1788		

Seq. No.	8105	Seq. ID	OJ990821_57.9C17.C3
Gene No.	17179	Strand	+
Start	123	End	1901
Name	OJ990821_57.9C17.C3.o1.np	Method	AAT/NAP
Start	123	End	1901
GI	2992160	Score	364
Exons	123..598, 1787..1901		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	8105	Seq. ID	OJ990821_57.9C17.C3
Gene No.	17180	Strand	-
Start	1305	End	1904
Name	OJ990821_57.9C17.C3.o1.tm	Method	TBLASTX:Maize

Start	192	End	397
GI	none	Score	204
Exons	192..395, 200..397		

Seq. No.	8105	Seq. ID	OJ990821_57.9C17.C3
Gene No.	17180	Strand	-
Start	1305	End	1904
Name	OJ990821_57.9C17.C3.o1.gs	Method	GENSCAN
Start	1305	End	1904
GI	none	Score	.76
Exons	1305..1447, 1644..1777, 1873..1904		

Seq. No.	8106	Seq. ID	OJ990821_57.9C17.C4
Gene No.	17181	Strand	+
Start	1	End	1648
Name	OJ990821_57.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	1648
GI	5295950	Score	66
Exons	1..38, 1365..1648		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17182	Strand	+
Start	9840	End	15157
Name	OJ990821_57.9C17.C5.o2.np	Method	AAT/NAP
Start	9792	End	14460
GI	2245077	Score	1588
Exons	9792..10210, 13335..14460		
GI Descrip.	(Z97343) glucanase like protein [Arabidopsis thaliana]		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17182	Strand	+
Start	9840	End	15157
Name	OJ990821_57.9C17.C5.o2.gs	Method	GENSCAN
Start	9840	End	15157
GI	none	Score	.43
Exons	9840..10210, 13335..13451, 13572..14090, 14238..14427, 15062..15157		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17182	Strand	+
Start	9840	End	15157
Name	OJ990821_57.9C17.C5.o4.gp	Method	AAT/GAP
Start	14454	End	14816
GI	none	Score	645
Exons	14454..14816		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o2.gp	Method	AAT/GAP
Start	796	End	2862
GI	596_1.R1084	Score	1881
Exons	796..1209, 1320..1412, 1502..1630, 1745..1914, 2510..2711, 2815..2862		
GI Descrip.	'548774/sp|P35685|RL7A_ORYSA 1.0e-120 60S RIBOSOMAL PROTEIN L7A		

>gi_542158_pir__S38360 ribosomal protein L7a - rice
>gi_303855_dbj_BAA02156_ (D12631) ribosomal protein L7A [Oryza sativa]'

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	1051	End	1818
GI	none	Score	180
Exons	1051..1209, 1080..1211, 1167..1214, 1288..1380, 1306..1380, 1383..1412, 1384..1413, 1499..1633, 1505..1633, 1738..1809, 1745..1816, 1746..1811, 1747..1818		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	1073	End	2718
GI	none	Score	109
Exons	1073..1210, 1075..1209, 1303..1413, 1320..1412, 1499..1633, 1505..1672, 1745..1915, 1746..1916, 2503..2550, 2511..2555, 2610..2717, 2613..2717, 2614..2718		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o1.gs	Method	GENSCAN
Start	1078	End	8692
GI	none	Score	.71
Exons	1078..1209, 1320..1412, 1544..1630, 1745..1914, 2510..2711, 2815..2862, 3531..3613, 3619..3782, 3901..3994, 5340..5619, 7712..7974, 8620..8692		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	1078	End	2712
GI	none	Score	105
Exons	1078..1209, 1085..1210, 1158..1214, 1303..1410, 1318..1407, 1320..1412, 1320..1412, 1340..1423, 1469..1633, 1477..1638, 1501..1638, 1505..1648, 1739..1822, 1745..1915, 1746..1916, 2488..2550, 2511..2555, 2610..2711, 2614..2712		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o1.np	Method	AAT/NAP
Start	1081	End	2865
GI	548774	Score	1163
Exons	1081..1209, 1320..1412, 1502..1630, 1745..1914, 2510..2711, 2815..2865		
GI Descrip.	60S RIBOSOMAL PROTEIN L7A gi|542158|pir||S38360 ribosomal protein L7a - rice gi|303855|dbj|BAA02156| (D12631) ribosomal protein L7A [Oryza sativa]		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	1191	End	1866
GI	none	Score	121
Exons	1191..1211, 1303..1413, 1320..1412, 1340..1414, 1499..1633, 1505..1633, 1734..1820, 1735..1866, 1738..1821, 1745..1828		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	1883	End	2863
GI	none	Score	65
Exons	1883..1915, 2503..2550, 2511..2711, 2511..2555, 2610..2711, 2614..2712, 2801..2863, 2815..2862		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	2503	End	2863
GI	none	Score	71
Exons	2503..2550, 2506..2538, 2511..2612, 2600..2635, 2610..2711, 2610..2711, 2614..2712, 2789..2863, 2815..2862		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17183	Strand	-
Start	1078	End	8692
Name	OJ990821_57.9C17.C5.o3.gp	Method	AAT/GAP
Start	2510	End	3221
GI	596_2.R1084	Score	571
Exons	2510..2711, 2815..2862, 3129..3221		
GI Descrip.	'548774/sp|P35685|RL7A_ORYSA 1.0e-112 60S RIBOSOMAL PROTEIN L7A >gi_542158_pir__S38360 ribosomal protein L7a - rice >gi_303855_dbj_BAA02156_ (D12631) ribosomal protein L7A [Oryza sativa]'		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17184	Strand	
Start	9924	End	10211
Name	OJ990821_57.9C17.C5.o5.ts	Method	TBLASTX:Soybean
Start	9924	End	10121
GI	none	Score	214
Exons	9924..10121, 9954..10121		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17184	Strand	
Start	9924	End	10211
Name	OJ990821_57.9C17.C5.o3.tc	Method	TBLASTX:Cress
Start	9945	End	10211
GI	none	Score	191
Exons	9945..10211, 9954..10205		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17185	Strand	

Start	13332	End	13902
Name	OJ990821_57.9C17.C5.o2.tc	Method	TBLASTX:Cress
Start	13332	End	13746
GI	none	Score	183
Exons	13332..13406, 13333..13503, 13437..13502, 13507..13608, 13606..13746, 13609..13731		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17185	Strand	
Start	13332	End	13902
Name	OJ990821_57.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	13413	End	13871
GI	none	Score	47
Exons	13413..13478, 13414..13869, 13416..13862, 13518..13871		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17185	Strand	
Start	13332	End	13902
Name	OJ990821_57.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	13413	End	13668
GI	none	Score	129
Exons	13413..13490, 13414..13500, 13418..13513, 13498..13668, 13500..13664		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17185	Strand	
Start	13332	End	13902
Name	OJ990821_57.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	13669	End	13902
GI	none	Score	237
Exons	13669..13902, 13698..13901		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17186	Strand	
Start	13995	End	14226
Name	OJ990821_57.9C17.C5.o4.ts	Method	TBLASTX:Soybean
Start	13995	End	14226
GI	none	Score	71
Exons	13995..14105, 13995..14225, 13996..14226		

Seq. No.	8107	Seq. ID	OJ990821_57.9C17.C5
Gene No.	17187	Strand	
Start	14172	End	14397
Name	OJ990821_57.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	14172	End	14397
GI	none	Score	266
Exons	14172..14381, 14173..14397, 14188..14382		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17188	Strand	+
Start	1124	End	4665
Name	OJ990821_57.9C17.C6.o1.gs	Method	GENSCAN
Start	1124	End	4602
GI	none	Score	.69
Exons	1124..1699, 2663..2854, 3728..3903, 4479..4602		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6

Gene No.	17188	Strand	+
Start	1124	End	4665
Name	OJ990821_57.9C17.C6.o1.np	Method	AAT/NAP
Start	1152	End	4599
GI	6456166	Score	1970
Exons	1152..1699, 2663..2913, 2998..3373, 3513..3644, 3728..3903, 4479..4599		
GI Descrip.	(AC011622) GMP synthase [Arabidopsis thaliana]		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17188	Strand	+
Start	1124	End	4665
Name	OJ990821_57.9C17.C6.o1.gp	Method	AAT/GAP
Start	3139	End	4665
GI	59252_1.R1084	Score	1307
Exons	3139..3373, 3513..3644, 3728..3903, 4479..4665		
GI Descrip.	'2982942 1.0e-52 (AE000679) GMP synthase [Aquifex aeolicus]'		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17189	Strand	+
Start	5569	End	13010
Name	OJ990821_57.9C17.C6.o2.gs	Method	GENSCAN
Start	5569	End	13010
GI	none	Score	.66
Exons	5569..5603, 5782..6068, 6685..6748, 6800..6899, 6998..7107, 7278..7375, 7470..7634, 7856..7967, 8520..9132, 9171..9268, 9387..10470, 10959..11061, 11104..11469, 11626..11827, 12547..12660, 13004..13010		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17189	Strand	+
Start	5569	End	13010
Name	OJ990821_57.9C17.C6.o2.gp	Method	AAT/GAP
Start	6744	End	7931
GI	uC-osf1M202043h12b1	Score	928
Exons	6744..6810, 6998..7107, 7278..7375, 7470..7634, 7856..7931		
GI Descrip.	'3695019/gb|AAC62611.1| 3.0e-43 (AF055848) subtilisin-like protease [Arabidopsis thaliana]'		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17189	Strand	+
Start	5569	End	13010
Name	OJ990821_57.9C17.C6.o2.np	Method	AAT/NAP
Start	6916	End	10497
GI	4218991	Score	1703
Exons	6916..7107, 7278..7375, 7470..7634, 7856..7967, 8520..9054, 9171..9268, 9387..10497		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o3.tm	Method	TBLASTX:Maize
Start	1163	End	1512
GI	none	Score	122
Exons	1163..1234, 1163..1237, 1238..1507, 1240..1512		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o4.ts	Method	TBLASTX:Soybean
Start	1176	End	1582
GI	none	Score	94
Exons	1176..1241, 1178..1243, 1241..1504, 1252..1500, 1550..1582		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o4.tc	Method	TBLASTX:Cress
Start	1182	End	1579
GI	none	Score	89
Exons	1182..1241, 1241..1507, 1249..1506, 1523..1579		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o4.tm	Method	TBLASTX:Maize
Start	1658	End	2857
GI	none	Score	80
Exons	1658..1702, 2660..2857, 2662..2856		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o3.ts	Method	TBLASTX:Soybean
Start	2672	End	2916
GI	none	Score	360
Exons	2672..2914, 2678..2902, 2680..2916		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o2.tc	Method	TBLASTX:Cress
Start	2792	End	3373
GI	none	Score	185
Exons	2792..2914, 2806..2916, 3001..3135, 3002..3199, 3254..3319, 3305..3373		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	2858	End	4607
GI	none	Score	98
Exons	2858..2914, 2860..2916, 2860..2916, 2990..3376, 2995..3315, 2999..3373, 3141..3374, 3509..3646, 3510..3647, 3511..3657, 3511..3645, 3512..3646, 3706..3906, 3707..3907, 3710..3907, 4477..4602, 4479..4604, 4479..4607, 4480..4605		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o5.ts	Method	TBLASTX:Soybean
Start	3010	End	3199

GI	none	Score	209
Exons	3010..3195, 3020..3199		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	3341	End	3908
GI	none	Score	59
Exons	3341..3376, 3510..3647, 3511..3645, 3512..3646, 3707..3907, 3710..3907, 3720..3908		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o3.tc	Method	TBLASTX:Cress
Start	3510	End	4620
GI	none	Score	205
Exons	3510..3647, 3512..3646, 3706..3864, 3707..3844, 3724..3846, 3836..3907, 3857..3904, 4480..4620, 4485..4601		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	7300	End	10494
GI	none	Score	50
Exons	7300..7380, 7475..7552, 7855..7890, 7888..7959, 8518..8544, 8596..8826, 8703..8825, 8848..9054, 8865..9038, 9394..9456, 9456..9584, 9469..10002, 9639..9992, 10008..10121, 10009..10179, 10180..10230, 10321..10494		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o2.ts	Method	TBLASTX:Soybean
Start	7300	End	9054
GI	none	Score	40
Exons	7300..7380, 7463..7579, 8518..8550, 8593..8826, 8709..8825, 8845..9054, 8880..9038		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o5.tm	Method	TBLASTX:Maize
Start	7442	End	8826
GI	none	Score	60
Exons	7442..7579, 7574..7636, 8517..8597, 8596..8826, 8703..8825		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o2.tw	Method	TBLASTX:Wheat
Start	8662	End	9039
GI	none	Score	95
Exons	8662..8745, 8749..8832, 8857..9039, 8865..9038		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	8857	End	10500
GI	none	Score	101
Exons	8857..8997, 8892..8996, 8997..9053, 8998..9054, 9384..9455, 9385..9456, 9439..10002, 9439..9576, 9456..9983, 10008..10121, 10009..10122, 10174..10224, 10288..10407, 10435..10500		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	9393	End	10491
GI	none	Score	139
Exons	9393..9590, 9394..9591, 9628..10143, 9666..10130, 10198..10230, 10246..10374, 10432..10491		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o3.tw	Method	TBLASTX:Wheat
Start	10374	End	10507
GI	none	Score	182
Exons	10374..10505, 10378..10506, 10457..10507		

Seq. No.	8108	Seq. ID	OJ990821_57.9C17.C6
Gene No.	17190	Strand	-
Start	14143	End	14169
Name	OJ990821_57.9C17.C6.o3.gs	Method	GENSCAN
Start	14143	End	14169
GI	none	Score	.86
Exons	14143..14169		

Seq. No.	8109	Seq. ID	OJ990821_57.9C17.C7
Gene No.	17191	Strand	+
Start	7264	End	7517
Name	OJ990821_57.9C17.C7.o2.np	Method	AAT/NAP
Start	7264	End	7517
GI	5922623	Score	94
Exons	7264..7517		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8109	Seq. ID	OJ990821_57.9C17.C7
Gene No.	17192	Strand	-
Start	940	End	7517
Name	OJ990821_57.9C17.C7.o1.gs	Method	GENSCAN
Start	940	End	3510
GI	none	Score	.57
Exons	940..1126, 1965..2161, 3289..3510		

Seq. No.	8109	Seq. ID	OJ990821_57.9C17.C7
Gene No.	17192	Strand	-
Start	940	End	7517

Name	OJ990821_57.9C17.C7.o1.np	Method	AAT/NAP
Start	2563	End	7517
GI	5295955	Score	571
Exons	2563..3136, 3197..3680, 6894..7007, 7490..7517		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	8109	Seq. ID	OJ990821_57.9C17.C7
Gene No.	17192	Strand	-
Start	940	End	7517
Name	OJ990821_57.9C17.C7.o2.gs	Method	GENSCAN
Start	5866	End	7207
GI	none	Score	.56
Exons	5866..5993, 6894..6939, 6953..7019, 7126..7207		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17193	Strand	+
Start	92	End	707
Name	OJ990821_57.9C17.C8.o1.gs	Method	GENSCAN
Start	92	End	707
GI	none	Score	.4
Exons	92..217, 630..707		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17194	Strand	+
Start	1309	End	4536
Name	OJ990821_57.9C17.C8.o1.np	Method	AAT/NAP
Start	1309	End	4533
GI	6907089	Score	4082
Exons	1309..2570, 2664..4533		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17194	Strand	+
Start	1309	End	4536
Name	OJ990821_57.9C17.C8.o2.gs	Method	GENSCAN
Start	1309	End	4536
GI	none	Score	.86
Exons	1309..4536		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17195	Strand	+
Start	11375	End	13829
Name	OJ990821_57.9C17.C8.o3.np	Method	AAT/NAP
Start	11375	End	13829
GI	5922623	Score	415
Exons	11375..11455, 11829..11976, 12144..12219, 13810..13829		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17196	Strand	+
Start	19407	End	24115
Name	OJ990821_57.9C17.C8.o4.gs	Method	GENSCAN
Start	19407	End	24115
GI	none	Score	.92

Exons	19407..19515, 19651..19685, 19921..20014, 20144..20340, 21606..21850, 21968..22325, 22409..22984, 23840..24115		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17196	Strand	+
Start	19407	End	24115
Name	OJ990821_57.9C17.C8.o4.np	Method	AAT/NAP
Start	21655	End	24112
GI	6850880	Score	1492
Exons	21655..21850, 21968..22325, 22409..22984, 23840..24112		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17196	Strand	+
Start	19407	End	24115
Name	OJ990821_57.9C17.C8.o1.gp	Method	AAT/GAP
Start	21697	End	22344
GI	96544_1.R1084	Score	887
Exons	21697..21850, 21968..22344		
GI Descrip.	'3786007 3.0e-20 (AC005499) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17196	Strand	+
Start	19407	End	24115
Name	OJ990821_57.9C17.C8.o2.gp	Method	AAT/GAP
Start	22568	End	23004
GI	LIB3431-034-P1-K1-D3	Score	794
Exons	22568..23004		
GI Descrip.	'4539335/emb|CAB37483.1| 5.0e-56 (AL035539) putative protein [Arabidopsis thaliana]'		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17197	Strand	-
Start	5146	End	10792
Name	OJ990821_57.9C17.C8.o2.np	Method	AAT/NAP
Start	5146	End	10792
GI	6498441	Score	6793
Exons	5146..5427, 5521..6918, 7090..7574, 7767..8005, 8180..8314, 8498..8871, 8935..9398, 9729..10792		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o9.tw	Method	TBLASTX:Wheat
Start	5155	End	5757
GI	none	Score	83
Exons	5155..5280, 5159..5281, 5473..5757, 5474..5752		
Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o5.tw	Method	TBLASTX:Wheat
Start	5758	End	6139

GI	none	Score	166
Exons	5758..6138, 5789..6037, 6083..6139		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	5944	End	6276
GI	none	Score	97
Exons	5944..6156, 5953..6276, 5966..6259		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o10.tw	Method	TBLASTX:Wheat
Start	6469	End	6781
GI	none	Score	66
Exons	6469..6729, 6605..6781		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	6529	End	7095
GI	5666795	Score	68
Exons	6529..6729, 6784..6921, 6997..7095		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o6.tw	Method	TBLASTX:Wheat
Start	6784	End	7242
GI	none	Score	92
Exons	6784..6933, 6785..6922, 6980..7153, 6994..7242, 6994..7218		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	7843	End	8214
GI	none	Score	90
Exons	7843..8214, 8054..8197		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	7868	End	8293
GI	none	Score	328
Exons	7868..8293, 7873..8292		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	7966	End	8350

GI	none	Score	221
Exons	7966..8349, 7985..8350		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	8377	End	8733
GI	none	Score	114
Exons	8377..8682, 8377..8733, 8387..8698		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	8401	End	8864
GI	none	Score	399
Exons	8401..8862, 8402..8863, 8421..8864		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o4.ts	Method	TBLASTX:Soybean
Start	8458	End	8823
GI	none	Score	117
Exons	8458..8592, 8599..8823		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o4.tw	Method	TBLASTX:Wheat
Start	9031	End	9514
GI	none	Score	157
Exons	9031..9513, 9059..9319, 9341..9514		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o7.tw	Method	TBLASTX:Wheat
Start	10252	End	10644
GI	none	Score	89
Exons	10252..10509, 10286..10525, 10492..10590, 10493..10573, 10597..10644		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o6.tm	Method	TBLASTX:Maize
Start	10354	End	10639
GI	none	Score	103
Exons	10354..10602, 10355..10639		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	21684	End	24117

GI	none	Score	94
Exons	21684..21842, 21966..22325, 22061..22327, 22215..22328, 22406..22615, 22423..22629, 22606..22980, 22628..22984, 22637..22981, 23839..24117, 23840..24109		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	21965	End	22945
GI	none	Score	473
Exons	21965..22183, 21966..22325, 22122..22304, 22211..22309, 22400..22945, 22406..22936		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	21966	End	24037
GI	none	Score	357
Exons	21966..22325, 22028..22162, 22200..22325, 22253..22327, 22400..22624, 22412..22633, 22423..22629, 22624..22980, 22628..22984, 22631..22981, 23839..24030, 23840..24037, 23918..24031		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o3.tw	Method	TBLASTX:Wheat
Start	22625	End	22990
GI	none	Score	459
Exons	22625..22981, 22636..22977, 22805..22990, 22810..22983		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	23840	End	24156
GI	none	Score	329
Exons	23840..24103, 23848..24156		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o8.tw	Method	TBLASTX:Wheat
Start	23882	End	24135
GI	none	Score	289
Exons	23882..24112, 23884..24135		

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17198	Strand	-
Start	23968	End	24472
Name	OJ990821_57.9C17.C8.o3.gp	Method	AAT/GAP
Start	23968	End	24472
GI	3460_1.R1084	Score	909
Exons	23968..24472		
GI Descrip.	'3786007 3.0e-10 (AC005499) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	8110	Seq. ID	OJ990821_57.9C17.C8
Gene No.	17199	Strand	
Start	25986	End	26224
Name	OJ990821_57.9C17.C8.o5.tm	Method	TBLASTX:Maize
Start	25986	End	26224
GI	none	Score	255
Exons	25986..26219, 26003..26224, 26024..26224		

Seq. No.	8111	Seq. ID	OJ990821_59.9C23.C1
Gene No.	17200	Strand	-
Start	1	End	769
Name	OJ990821_59.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6815062	Score	626
Exons	1..98, 193..464, 737..769		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8111	Seq. ID	OJ990821_59.9C23.C1
Gene No.	17200	Strand	-
Start	1	End	769
Name	OJ990821_59.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	314
GI	none	Score	67
Exons	1..108, 23..109, 170..310, 177..314		

Seq. No.	8111	Seq. ID	OJ990821_59.9C23.C1
Gene No.	17200	Strand	-
Start	1	End	769
Name	OJ990821_59.9C23.C1.o1.gs	Method	GENSCAN
Start	24	End	464
GI	none	Score	.49
Exons	24..98, 193..289, 303..464		

Seq. No.	8112	Seq. ID	OJ990821_59.9C23.C3
Gene No.	17201	Strand	-
Start	655	End	2378
Name	OJ990821_59.9C23.C3.o1.gp	Method	AAT/GAP
Start	425	End	913
GI	none	Score	749
Exons	425..765, 864..913		

Seq. No.	8112	Seq. ID	OJ990821_59.9C23.C3
Gene No.	17201	Strand	-
Start	655	End	2378
Name	OJ990821_59.9C23.C3.o1.np	Method	AAT/NAP
Start	619	End	2378
GI	5903091	Score	785
Exons	619..765, 864..1022, 1114..1221, 1355..1437, 1523..1653, 1739..1809, 1892..2005, 2075..2207, 2268..2378		
GI Descrip.	(AC008017) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8112	Seq. ID	OJ990821_59.9C23.C3
Gene No.	17201	Strand	-

Start	655	End	2378
Name	OJ990821_59.9C23.C3.o1.gs	Method	GENSCAN
Start	655	End	1809
GI	none	Score	.93
Exons	655..765, 864..1022, 1114..1221, 1355..1437, 1523..1692, 1739..1809		

Seq. No.	8112	Seq. ID	OJ990821_59.9C23.C3
Gene No.	17201	Strand	-
Start	655	End	2378
Name	OJ990821_59.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	872	End	1430
GI	4396701	Score	86
Exons	872..970, 873..1034, 874..1026, 1114..1233, 1118..1222, 1355..1429, 1359..1430		
GI Descrip.	-		

Seq. No.	8112	Seq. ID	OJ990821_59.9C23.C3
Gene No.	17201	Strand	-
Start	655	End	2378
Name	OJ990821_59.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	1524	End	2209
GI	none	Score	141
Exons	1524..1685, 1524..1637, 1525..1653, 1739..1810, 1740..1817, 1741..1812, 1887..2006, 1887..2006, 1888..2007, 1892..2008, 2075..2209, 2076..2207, 2077..2208		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	2217
GI	5903091	Score	487
Exons	1..228, 819..919, 982..1108, 1581..1696, 1778..1847, 2032..2217		
GI Descrip.	(AC008017) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o1.gs	Method	GENSCAN
Start	39	End	14526
GI	none	Score	.41
Exons	39..97, 1581..1696, 2032..2178, 2768..2954, 3046..3768, 3868..3943, 5963..6024, 6163..6431, 6694..6897, 7603..7712, 7778..8574, 10592..10701, 11268..11386, 11744..11916, 12534..12680, 14134..14526		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o1.gp	Method	AAT/GAP
Start	1645	End	2378
GI	uC-osflcyp071g08b1	Score	870
Exons	1645..1696, 1778..1847, 2032..2378		
GI Descrip.	'2921830/gb|AAC04866.1| 3.0e-37 (AF047031) IAA-amino acid hydrolase [Arabidopsis thaliana]'		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o2.np	Method	AAT/NAP
Start	7026	End	15875
GI	3421384	Score	1133
Exons	7026..7067, 7762..8574, 12534..12659, 14134..14368, 15763..15875		
GI Descrip.	(AF081067) IAA-Ala hydrolase; IAA-amino acid hydrolase [Arabidopsis thaliana]		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o2.gp	Method	AAT/GAP
Start	7280	End	7722
GI	3761568	Score	764
Exons	7280..7722		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17202	Strand	-
Start	1	End	15875
Name	OJ990821_59.9C23.C4.o3.gp	Method	AAT/GAP
Start	12535	End	14577
GI	44064_1.R1084	Score	1047
Exons	12535..12659, 14134..14577		
GI Descrip.	'2921830/gb|AAC04866.1| 3.0e-32 (AF047031) IAA-amino acid hydrolase [Arabidopsis thaliana]'		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o4.tm	Method	TBLASTX:Maize
Start	27	End	191
GI	none	Score	203
Exons	27..191, 38..190		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	424	End	918
GI	none	Score	132
Exons	424..525, 426..530, 434..526, 606..701, 608..703, 608..703, 816..917, 819..917, 820..918		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	7765	End	14355
GI	none	Score	396
Exons	7765..7929, 7912..7965, 8050..8184, 8170..8580, 8171..8578, 12516..12662, 12529..12660, 14086..14355, 14131..14334		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396

Name	OJ990821_59.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	7765	End	14358
GI	none	Score	90
Exons	7765..7929, 7766..7945, 7897..7959, 8041..8583, 8081..8575, 12525..12662, 12550..12660, 14131..14331, 14134..14358		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	7771	End	8464
GI	none	Score	262
Exons	7771..7980, 7772..7975, 7861..7977, 7981..8304, 7981..8463, 8048..8464		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o3.tm	Method	TBLASTX:Maize
Start	8464	End	14358
GI	none	Score	116
Exons	8464..8580, 8471..8575, 12516..12662, 12529..12660, 14086..14358, 14131..14328		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	12528	End	14355
GI	none	Score	128
Exons	12528..12662, 12529..12660, 14086..14355, 14131..14325		

Seq. No.	8113	Seq. ID	OJ990821_59.9C23.C4
Gene No.	17203	Strand	-
Start	22210	End	22396
Name	OJ990821_59.9C23.C4.o4.gp	Method	AAT/GAP
Start	22210	End	22396
GI	LIB3475-012-P1-K1-B11	Score	138
Exons	22210..22246, 22328..22396		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-29 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17204	Strand	+
Start	976	End	6622
Name	OJ990821_59.9C23.C5.o1.np	Method	AAT/NAP
Start	976	End	6622
GI	6498441	Score	6980
Exons	976..2039, 2370..2833, 2897..3270, 3454..3588, 3764..4190, 4383..4679, 4850..6247, 6341..6622		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17205	Strand	+
Start	10518	End	12071

Name	OJ990821_59.9C23.C5.o3.np	Method	AAT/NAP
Start	10518	End	12071
GI	5042454	Score	280
Exons	10518..10559, 10817..10914, 11591..11774, 12018..12071		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17206	Strand	+
Start	18745	End	22687
Name	OJ990821_59.9C23.C5.o5.gs	Method	GENSCAN
Start	18745	End	22687
GI	none	Score	.81
Exons	18745..19074, 19530..19796, 19801..19921, 20032..20090, 20326..20514, 21705..21875, 22535..22687		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17206	Strand	+
Start	18745	End	22687
Name	OJ990821_59.9C23.C5.o2.gp	Method	AAT/GAP
Start	19551	End	20462
GI	none	Score	1032
Exons	19551..19921, 20032..20090, 20326..20462		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17206	Strand	+
Start	18745	End	22687
Name	OJ990821_59.9C23.C5.o4.np	Method	AAT/NAP
Start	19828	End	22684
GI	6690274	Score	663
Exons	19828..19921, 20032..20090, 20326..20514, 21705..21875, 22535..22684		
GI Descrip.	(AF114750) v-SNARE AtVTI1a [Arabidopsis thaliana]		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17207	Strand	-
Start	7253	End	10541
Name	OJ990821_59.9C23.C5.o2.gs	Method	GENSCAN
Start	7253	End	10541
GI	none	Score	.65
Exons	7253..7553, 7713..9185, 9280..9678, 9820..10541		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17207	Strand	-
Start	7253	End	10541
Name	OJ990821_59.9C23.C5.o2.np	Method	AAT/NAP
Start	7256	End	10541
GI	6907089	Score	5081
Exons	7256..9185, 9280..10541		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17208	Strand	-
Start	11794	End	12561
Name	OJ990821_59.9C23.C5.o3.gs	Method	GENSCAN
Start	11794	End	12561
GI	none	Score	.63
Exons	11794..11832, 12141..12385, 12531..12561		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17209	Strand	-
Start	15018	End	16785
Name	OJ990821_59.9C23.C5.o4.gs	Method	GENSCAN
Start	15018	End	16785
GI	none	Score	.74
Exons	15018..15134, 15500..15602, 15656..15837, 15858..16033, 16272..16318, 16760..16785		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	1125	End	1517
GI	none	Score	58
Exons	1125..1172, 1179..1277, 1184..1285, 1244..1483, 1260..1517		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	1130	End	1415
GI	none	Score	197
Exons	1130..1414, 1167..1415		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	2254	End	2740
GI	none	Score	396
Exons	2254..2427, 2255..2740, 2449..2709		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	2905	End	3367
GI	none	Score	568
Exons	2905..3360, 2906..3367, 2906..3361		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	3035	End	3391
GI	none	Score	378
Exons	3035..3391, 3070..3381, 3086..3391		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	3368	End	3679
GI	none	Score	338
Exons	3368..3679, 3376..3666		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	3418	End	3803
GI	none	Score	282
Exons	3418..3696, 3419..3697, 3609..3803		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	3464	End	3688
GI	none	Score	203
Exons	3464..3688, 3472..3687		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o9.tw	Method	TBLASTX:Wheat
Start	3690	End	3979
GI	none	Score	245
Exons	3690..3977, 3695..3784, 3821..3979		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	4527	End	4984
GI	none	Score	236
Exons	4527..4781, 4551..4802, 4616..4801, 4844..4984, 4844..4981, 4846..4983		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	4674	End	5239
GI	5666795	Score	68
Exons	4674..4772, 4847..4984, 5039..5239		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o10.tw	Method	TBLASTX:Wheat
Start	4987	End	5299
GI	none	Score	191
Exons	4987..5163, 5039..5299		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	5492	End	5835
GI	none	Score	360

Exons	5492..5824, 5521..5832, 5641..5835		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	5629	End	6010
GI	none	Score	364
Exons	5629..5685, 5630..6010, 5633..5971, 5731..5979		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	6011	End	6613
GI	none	Score	261
Exons	6011..6295, 6013..6384, 6016..6294, 6487..6609, 6488..6613		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o7.tm	Method	TBLASTX:Maize
Start	6482	End	6628
GI	none	Score	186
Exons	6482..6628, 6487..6621		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o8.tw	Method	TBLASTX:Wheat
Start	9974	End	20496
GI	none	Score	57
Exons	9974..10069, 19724..19744, 19820..19870, 19821..19922, 19821..19919, 20011..20088, 20022..20093, 20325..20492, 20326..20496, 20326..20490		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	19806	End	21860
GI	none	Score	125
Exons	19806..19919, 19828..19920, 20031..20123, 20320..20523, 20325..20390, 20326..20442, 20451..20507, 21705..21860		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	19817	End	21882
GI	none	Score	78
Exons	19817..19870, 19820..19864, 19824..19925, 19825..19920, 20022..20123, 20023..20088, 20325..20516, 20326..20523, 20326..20517, 21703..21882, 21708..21881, 21724..21882		
Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-

Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	19827	End	20523
GI	none	Score	119
Exons	19827..19922, 19828..19923, 20320..20523, 20325..20375, 20326..20448, 20445..20516		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o2.tc	Method	TBLASTX:Cress
Start	21693	End	22660
GI	none	Score	205
Exons	21693..21851, 21696..21869, 22529..22615, 22532..22660		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	22535	End	22805
GI	none	Score	141
Exons	22535..22615, 22535..22741, 22537..22776, 22537..22782, 22638..22805, 22691..22783		

Seq. No.	8114	Seq. ID	OJ990821_59.9C23.C5
Gene No.	17210	Strand	-
Start	23015	End	24323
Name	OJ990821_59.9C23.C5.o5.np	Method	AAT/NAP
Start	23015	End	24323
GI	81286	Score	76
Exons	23015..23215, 23712..23958, 24142..24323		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.np	Method	AAT/NAP
Start	351	End	869
GI	3687251	Score	323
Exons	351..622, 722..869		
GI Descrip.	(AC005169) putative ribosomal protein L28 [Arabidopsis thaliana]		

Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	448	End	871
GI	none	Score	100
Exons	448..588, 450..587, 516..626, 586..627, 720..869, 720..869, 722..871		

Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	449	End	872

GI	none	Score	89
Exons	449..559, 453..566, 453..584, 454..582, 513..629, 586..636, 720..872, 720..869		
Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	453	End	871
GI	none	Score	236
Exons	453..629, 454..627, 720..869, 722..871, 799..870		
Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	453	End	881
GI	none	Score	222
Exons	453..629, 454..627, 720..881, 722..880		
Seq. No.	8115	Seq. ID	OJ990821_59.9C23.C6
Gene No.	17211	Strand	-
Start	351	End	881
Name	OJ990821_59.9C23.C6.o1.gs	Method	GENSCAN
Start	456	End	869
GI	none	Score	.47
Exons	456..622, 722..869		
Seq. No.	8116	Seq. ID	OJ990821_59.9C23.C7
Gene No.	17212	Strand	+
Start	426	End	592
Name	OJ990821_59.9C23.C7.o1.gs	Method	GENSCAN
Start	426	End	592
GI	none	Score	.8
Exons	426..592		
Seq. No.	8116	Seq. ID	OJ990821_59.9C23.C7
Gene No.	17213	Strand	-
Start	2520	End	3748
Name	OJ990821_59.9C23.C7.o2.gs	Method	GENSCAN
Start	2520	End	3698
GI	none	Score	.99
Exons	2520..3698		
Seq. No.	8116	Seq. ID	OJ990821_59.9C23.C7
Gene No.	17213	Strand	-
Start	2520	End	3748
Name	OJ990821_59.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	2521	End	2912
GI	none	Score	95
Exons	2521..2634, 2526..2843, 2537..2632, 2542..2793, 2832..2912, 2835..2903		
Seq. No.	8116	Seq. ID	OJ990821_59.9C23.C7
Gene No.	17213	Strand	-
Start	2520	End	3748
Name	OJ990821_59.9C23.C7.o2.tm	Method	TBLASTX:Maize

Start	2937	End	3473
GI	none	Score	61
Exons	2937..3092, 2981..3091, 3028..3108, 3114..3272, 3122..3259, 3127..3261, 3279..3350, 3280..3417, 3299..3349, 3342..3458, 3342..3473, 3374..3469		

Seq. No.	8116	Seq. ID	OJ990821_59.9C23.C7
Gene No.	17213	Strand	-
Start	2520	End	3748
Name	OJ990821_59.9C23.C7.o1.gp	Method	AAT/GAP
Start	3578	End	3748
GI	2310204	Score	266
Exons	3578..3748		

Seq. No.	8117	Seq. ID	OJ990821_59.9C23.C8
Gene No.	17214	Strand	-
Start	1	End	5498
Name	OJ990821_59.9C23.C8.o1.gp	Method	AAT/GAP
Start	1	End	170
GI	2310204	Score	340
Exons	1..170		

Seq. No.	8117	Seq. ID	OJ990821_59.9C23.C8
Gene No.	17214	Strand	-
Start	1	End	5498
Name	OJ990821_59.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	3960
GI	3687246	Score	549
Exons	1..154, 839..985, 1072..1342, 1511..1651, 1767..1938, 2978..3081, 3844..3960		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8117	Seq. ID	OJ990821_59.9C23.C8
Gene No.	17214	Strand	-
Start	1	End	5498
Name	OJ990821_59.9C23.C8.o1.gs	Method	GENSCAN
Start	137	End	5498
GI	none	Score	.7
Exons	137..1006, 1084..1351, 1511..1651, 1767..1938, 2978..3081, 3844..3976, 4107..4216, 5421..5498		

Seq. No.	8117	Seq. ID	OJ990821_59.9C23.C8
Gene No.	17214	Strand	-
Start	1	End	5498
Name	OJ990821_59.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	1511	End	3996
GI	none	Score	122
Exons	1511..1654, 1761..1940, 1771..1941, 2977..3084, 2987..3082, 3841..3978, 3841..3996		

Seq. No.	8117	Seq. ID	OJ990821_59.9C23.C8
Gene No.	17214	Strand	-
Start	1	End	5498
Name	OJ990821_59.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	1747	End	4032
GI	none	Score	116
Exons	1747..1941, 1761..1940, 2977..3084, 2984..3082, 3841..4032		

Seq. No.	8118	Seq. ID	OJ990821_59.9C23.C9
Gene No.	17215	Strand	+
Start	298	End	376
Name	OJ990821_59.9C23.C9.o1.gp	Method	AAT/GAP
Start	298	End	376
GI	LIB3431-054-P1-N1-H2	Score	127
Exons	298..376		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8118	Seq. ID	OJ990821_59.9C23.C9
Gene No.	17216	Strand	-
Start	310	End	372
Name	OJ990821_59.9C23.C9.o1.gs	Method	GENSCAN
Start	310	End	372
GI	none	Score	.41
Exons	310..372		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17217	Strand	+
Start	266	End	394
Name	OJ990821_59.9C23.C10.o1.gs	Method	GENSCAN
Start	266	End	394
GI	none	Score	.87
Exons	266..394		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17218	Strand	+
Start	17208	End	17301
Name	OJ990821_59.9C23.C10.o1.gp	Method	AAT/GAP
Start	17208	End	17301
GI	5867_1.R1084	Score	137
Exons	17208..17301		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17219	Strand	-
Start	1063	End	1395
Name	OJ990821_59.9C23.C10.o2.gs	Method	GENSCAN
Start	1063	End	1395
GI	none	Score	.44
Exons	1063..1395		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17220	Strand	-
Start	2629	End	4052
Name	OJ990821_59.9C23.C10.o3.gs	Method	GENSCAN
Start	2629	End	4052
GI	none	Score	.91
Exons	2629..3012, 3113..3256, 3336..4052		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17221	Strand	-
Start	5525	End	12051
Name	OJ990821_59.9C23.C10.o4.gs	Method	GENSCAN
Start	5525	End	12051
GI	none	Score	.8
Exons	5525..5634, 6674..6746, 7015..7194, 7278..7496, 7586..7750, 7779..7819, 7894..8111, 8213..8310, 8844..8873, 9888..9938, 10186..10296, 10440..10557, 10598..10724, 10898..10943, 11033..11200, 11456..11552, 11665..11819, 12034..12051		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17221	Strand	-
Start	5525	End	12051
Name	OJ990821_59.9C23.C10.o1.np	Method	AAT/NAP
Start	6259	End	10590
GI	2281115	Score	477
Exons	6259..6287, 6677..6746, 7015..7194, 7278..7496, 7586..7726, 7841..8111, 8213..8268, 8360..8509, 8630..8716, 10569..10590		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	2866	End	3422
GI	none	Score	108
Exons	2866..2997, 3116..3268, 3116..3265, 3327..3422, 3350..3421		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	7015	End	8530
GI	none	Score	87
Exons	7015..7152, 7275..7499, 7276..7446, 7580..7678, 7715..7774, 8357..8530		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	7015	End	11219
GI	none	Score	55
Exons	7015..7152, 7043..7147, 7255..7422, 7275..7499, 7577..7678, 7599..7688, 7715..7774, 8630..8716, 11019..11219, 11030..11218		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	7045	End	7681
GI	none	Score	50
Exons	7045..7155, 7275..7499, 7586..7681		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10

Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	7374	End	7750
GI	none	Score	54
Exons	7374..7499, 7580..7750, 7599..7679		

Seq. No.	8119	Seq. ID	OJ990821_59.9C23.C10
Gene No.	17222	Strand	-
Start	14841	End	18066
Name	OJ990821_59.9C23.C10.o5.gs	Method	GENSCAN
Start	14841	End	18066
GI	none	Score	.74
Exons	14841..15188, 15261..15976, 16086..16116, 16144..16453, 16543..16613, 16716..16821, 17768..18066		

Seq. No.	8120	Seq. ID	OJ990821_59.9C23.C11
Gene No.	17223	Strand	+
Start	839	End	3025
Name	OJ990821_59.9C23.C11.o1.gs	Method	GENSCAN
Start	839	End	3025
GI	none	Score	.9
Exons	839..1195, 1288..1390, 2931..3025		

Seq. No.	8120	Seq. ID	OJ990821_59.9C23.C11
Gene No.	17223	Strand	+
Start	839	End	3025
Name	OJ990821_59.9C23.C11.o1.np	Method	AAT/NAP
Start	839	End	3019
GI	2997686	Score	366
Exons	839..1017, 1075..1195, 1288..1390, 2928..3019		
GI Descrip.	(AF053303) putative transcriptional co-activator [Arabidopsis thaliana] gi|3513735 (AF080118) contains similarity to RNA polymerase II transcription cofactor p15 [Arabidopsis thaliana] gi|4539366|emb|CAB40060.1| (AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	8120	Seq. ID	OJ990821_59.9C23.C11
Gene No.	17224	Strand	+
Start	3051	End	3270
Name	OJ990821_59.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	835	End	3069
GI	none	Score	248
Exons	835..1026, 836..1027, 1147..1194, 1153..1194, 1154..1216, 1276..1386, 1286..1429, 1288..1386, 2920..3012, 2929..3015, 2930..3016, 2954..3007, 3046..3069		

Seq. No.	8120	Seq. ID	OJ990821_59.9C23.C11
Gene No.	17224	Strand	+
Start	3051	End	3270
Name	OJ990821_59.9C23.C11.o1.gp	Method	AAT/GAP
Start	3051	End	3270
GI	2797993	Score	415
Exons	3051..3270		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17225	Strand	-

Start	1	End	2639
Name	OJ990821_59.9C23.C13.o1.np	Method	AAT/NAP
Start	1	End	2639
GI	4415932	Score	510
Exons	1..58, 1212..2639		
GI Descrip.	(AC006418) putative bHLH transcription factor [Arabidopsis thaliana]		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17225	Strand	-
Start	1	End	2639
Name	OJ990821_59.9C23.C13.o1.gs	Method	GENSCAN
Start	148	End	2624
GI	none	Score	.93
Exons	148..255, 429..713, 1109..1194, 1230..2624		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17225	Strand	-
Start	1	End	2639
Name	OJ990821_59.9C23.C13.o1.gp	Method	AAT/GAP
Start	1680	End	2072
GI	3767258	Score	737
Exons	1680..2072		
GI Descrip.	639675/dbj|D26022|ORZPC 1.0e-38 Oryzias latipes mRNA for photolyase, complete cds		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	1194	End	1531
GI	none	Score	133
Exons	1194..1307, 1195..1308, 1301..1339, 1350..1475, 1353..1412, 1360..1494, 1490..1531, 1491..1529, 1492..1530		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	1272	End	2341
GI	none	Score	191
Exons	1272..1460, 1494..1703, 1528..1704, 1938..2069, 1984..2055, 2121..2162, 2189..2341		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o1.tc	Method	TBLASTX:Cress
Start	1278	End	1679
GI	none	Score	75
Exons	1278..1454, 1488..1586, 1493..1582, 1494..1679, 1513..1674		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o2.tm	Method	TBLASTX:Maize
Start	1869	End	2474

GI	none	Score	87
Exons	1869..1931, 1941..2069, 1942..2070, 2124..2234, 2176..2211, 2282..2305, 2346..2387, 2433..2474		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	2439	End	2625
GI	none	Score	41
Exons	2439..2468, 2463..2513, 2464..2499, 2517..2624, 2536..2625		

Seq. No.	8121	Seq. ID	OJ990821_59.9C23.C13
Gene No.	17226	Strand	-
Start	2810	End	6041
Name	OJ990821_59.9C23.C13.o2.gs	Method	GENSCAN
Start	2810	End	6041
GI	none	Score	.74
Exons	2810..3231, 5894..6041		

Seq. No.	8122	Seq. ID	OJ990821_59.9C23.C15
Gene No.	17227	Strand	+
Start	1	End	215
Name	OJ990821_59.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	215
GI	6815062	Score	286
Exons	1..215		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8122	Seq. ID	OJ990821_59.9C23.C15
Gene No.	17228	Strand	-
Start	64	End	239
Name	OJ990821_59.9C23.C15.o1.gs	Method	GENSCAN
Start	64	End	239
GI	none	Score	.91
Exons	64..239		

Seq. No.	8123	Seq. ID	OJ990821_56.9C20.C1
Gene No.	17229	Strand	-
Start	1	End	1179
Name	OJ990821_56.9C20.C1.o1.gp	Method	AAT/GAP
Start	1	End	446
GI	77121_1.R1084	Score	831
Exons	1..446		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	8123	Seq. ID	OJ990821_56.9C20.C1
Gene No.	17229	Strand	-
Start	1	End	1179
Name	OJ990821_56.9C20.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	1108
GI	none	Score	149
Exons	3..38, 139..258, 139..261, 140..262, 977..1108, 982..1104,		

986..1108

Seq. No.	8123	Seq. ID	OJ990821_56.9C20.C1
Gene No.	17229	Strand	-
Start	1	End	1179
Name	OJ990821_56.9C20.C1.o1.tc	Method	TBLASTX:Cress
Start	68	End	1109
GI	none	Score	65
Exons	68..106, 101..217, 133..237, 145..261, 146..262, 977..1108, 984..1109		

Seq. No.	8123	Seq. ID	OJ990821_56.9C20.C1
Gene No.	17229	Strand	-
Start	1	End	1179
Name	OJ990821_56.9C20.C1.o1.np	Method	AAT/NAP
Start	139	End	1179
GI	5668795	Score	245
Exons	139..259, 984..1179		
GI Descrip.	(AC007519) EST gb|AA605495 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8123	Seq. ID	OJ990821_56.9C20.C1
Gene No.	17229	Strand	-
Start	1	End	1179
Name	OJ990821_56.9C20.C1.o1.gs	Method	GENSCAN
Start	143	End	265
GI	none	Score	.9
Exons	143..265		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17230	Strand	+
Start	1834	End	2522
Name	OJ990821_56.9C20.C2.o2.gp	Method	AAT/GAP
Start	1834	End	2522
GI	300_11.R1084	Score	1329
Exons	1834..2522		
GI Descrip.	'1352186/sp|P48417|CP74_LINUS 5.0e-19 ALLENE OXIDE SYNTHASE PRECURSOR (HYDROPEROXIDE DEHYDRASE) (CYTOCHROME P450 74A) >gi_404866 (U00428) allene oxide synthase [Linum usitatissimum]'		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17231	Strand	-
Start	405	End	1433
Name	OJ990821_56.9C20.C2.o1.gp	Method	AAT/GAP
Start	405	End	1433
GI	4714734	Score	661
Exons	405..698, 784..843, 1406..1433		
GI Descrip.	5668795/gb|AAD46021.1|AC007519_6 1.0e-24 (AC007519) EST gb_AA605495 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17232	Strand	-
Start	2123	End	2524
Name	OJ990821_56.9C20.C2.o1.np	Method	AAT/NAP
Start	2123	End	2524
GI	130946	Score	715
Exons	2123..2524		

GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K, precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17233	Strand	-
Start	2513	End	2582
Name	OJ990821_56.9C20.C2.o3.gp	Method	AAT/GAP
Start	2513	End	2582
GI	2799723	Score	83
Exons	2513..2582		
GI Descrip.	20295/emb|X17074|OSPRO10 2.0e-24 Rice DNA for 10kDa prolamin		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o1.tc	Method	TBLASTX:Cress
Start	582	End	4532
GI	none	Score	120
Exons	582..707, 583..708, 584..721, 784..846, 791..844, 1365..1475, 1403..1474, 4454..4531, 4458..4532		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o1.tm	Method	TBLASTX:Maize
Start	582	End	4532
GI	none	Score	116
Exons	582..692, 582..707, 583..699, 583..708, 782..844, 784..882, 784..846, 1364..1474, 1403..1474, 1404..1475, 1407..1475, 1420..1476, 4454..4531, 4458..4532		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o1.ts	Method	TBLASTX:Soybean
Start	582	End	4532
GI	none	Score	130
Exons	582..707, 583..699, 784..846, 784..846, 1362..1475, 1403..1474, 4454..4531, 4458..4532		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o2.gs	Method	GENSCAN
Start	4048	End	5402
GI	none	Score	.71
Exons	4048..4134, 4329..4406, 4481..4575, 5282..5402		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o4.gp	Method	AAT/GAP
Start	4976	End	5411

GI	2431196	Score	820
Exons	4976..5411		
GI Descrip.	100642/pir||S12453 8.0e-14 prolamin - long-staminate rice >gi_4379327_emb_CAA35855_ (X51488) prolamin [Oryza longistaminata]		

Seq. No.	8124	Seq. ID	OJ990821_56.9C20.C2
Gene No.	17234	Strand	-
Start	4048	End	5411
Name	OJ990821_56.9C20.C2.o2.np	Method	AAT/NAP
Start	4998	End	5402
GI	130946	Score	477
Exons	4998..5402		
GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K, precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17235	Strand	+
Start	208	End	3243
Name	OJ990821_56.9C20.C3.o1.gp	Method	AAT/GAP
Start	208	End	514
GI	2317450	Score	500
Exons	208..514		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17235	Strand	+
Start	208	End	3243
Name	OJ990821_56.9C20.C3.o1.np	Method	AAT/NAP
Start	385	End	3043
GI	2979542	Score	799
Exons	385..514, 628..870, 1532..1628, 2477..2691, 2773..2845, 2936..3043		
GI Descrip.	(AC003680) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17235	Strand	+
Start	208	End	3243
Name	OJ990821_56.9C20.C3.o1.gs	Method	GENSCAN
Start	419	End	3052
GI	none	Score	.76
Exons	419..514, 628..870, 2477..2691, 2773..2845, 2936..3052		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17235	Strand	+
Start	208	End	3243
Name	OJ990821_56.9C20.C3.o2.gp	Method	AAT/GAP
Start	2577	End	3243
GI	uC-osflcyp009b07b1	Score	895
Exons	2577..2691, 2773..2845, 2936..3243		
GI Descrip.	'5668795/gb|AAD46021.1|AC007519_6 1.0e-24 (AC007519) EST gb_AA605495 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3

Gene No.	17236	Strand	+
Start	3996	End	4260
Name	OJ990821_56.9C20.C3.o3.gp	Method	AAT/GAP
Start	3996	End	4260
GI	2317451	Score	459
Exons	3996..4260		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o1.ts	Method	TBLASTX:Soybean
Start	425	End	870
GI	none	Score	102
Exons	425..523, 442..507, 625..870, 625..825		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o1.tm	Method	TBLASTX:Maize
Start	430	End	1651
GI	none	Score	129
Exons	430..513, 434..514, 624..680, 625..870, 625..858, 627..869, 1531..1566, 1565..1651, 1566..1628		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o1.tc	Method	TBLASTX:Cress
Start	433	End	834
GI	none	Score	105
Exons	433..510, 434..514, 625..834, 628..825		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o2.ts	Method	TBLASTX:Soybean
Start	1566	End	2662
GI	none	Score	78
Exons	1566..1619, 2474..2662, 2476..2661		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o2.tm	Method	TBLASTX:Maize
Start	2474	End	2632
GI	none	Score	285
Exons	2474..2632, 2476..2631		

Seq. No.	8125	Seq. ID	OJ990821_56.9C20.C3
Gene No.	17237	Strand	-
Start	4405	End	4755
Name	OJ990821_56.9C20.C3.o2.gs	Method	GENSCAN
Start	4405	End	4755
GI	none	Score	.7
Exons	4405..4494, 4690..4755		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4

Gene No.	17238	Strand	+
Start	1030	End	1854
Name	OJ990821_56.9C20.C4.o1.gs	Method	GENSCAN
Start	1030	End	1854
GI	none	Score	.41
Exons	1030..1854		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17239	Strand	+
Start	6822	End	7828
Name	OJ990821_56.9C20.C4.o3.gs	Method	GENSCAN
Start	6822	End	7828
GI	none	Score	.79
Exons	6822..6824, 7640..7828		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17240	Strand	+
Start	8486	End	8938
Name	OJ990821_56.9C20.C4.o4.gs	Method	GENSCAN
Start	8486	End	8938
GI	none	Score	.95
Exons	8486..8938		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o3.tm	Method	TBLASTX:Maize
Start	1108	End	1280
GI	none	Score	227
Exons	1108..1278, 1110..1280, 1111..1278		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o2.tc	Method	TBLASTX:Cress
Start	1471	End	1854
GI	none	Score	101
Exons	1471..1692, 1752..1853, 1753..1854		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o4.tm	Method	TBLASTX:Maize
Start	1639	End	1925
GI	none	Score	84
Exons	1639..1719, 1639..1755, 1718..1756, 1759..1863, 1760..1861, 1761..1862, 1762..1866, 1764..1865, 1864..1920, 1872..1925, 1875..1904		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o2.gs	Method	GENSCAN
Start	2318	End	4960
GI	none	Score	.71
Exons	2318..2457, 2777..2951, 3416..3502, 3622..3690, 3771..3839, 3923..4960		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.gp	Method	AAT/GAP
Start	2661	End	3525
GI	6025156	Score	810
Exons	2661..2951, 3042..3109, 3416..3525		
GI Descrip.	2769566/emb|CAA71502| 2.0e-31 (Y10477) chloroplast thylakoidal processing peptidase [Arabidopsis thaliana]		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.np	Method	AAT/NAP
Start	2830	End	4531
GI	1946373	Score	513
Exons	2830..2951, 3042..3109, 3416..3502, 3622..3699, 3771..3839, 3923..4095, 4378..4531		
GI Descrip.	(U93215) putative signal peptidase I [Arabidopsis thaliana]		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	2882	End	4087
GI	none	Score	77
Exons	2882..2968, 2895..2951, 3041..3106, 3042..3107, 3422..3502, 3619..3684, 3620..3685, 3762..3845, 3774..3839, 3920..4087, 3921..4079		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.tw	Method	TBLASTX:Wheat
Start	2882	End	3465
GI	none	Score	99
Exons	2882..2959, 2883..2951, 2885..2959, 2899..3027, 3041..3106, 3042..3107, 3043..3126, 3069..3104, 3424..3465		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	2883	End	4612
GI	none	Score	94
Exons	2883..2951, 2885..2968, 3041..3106, 3042..3107, 3413..3502, 3416..3502, 3619..3693, 3620..3685, 3638..3694, 3768..3839, 3781..3840, 3911..4117, 3912..4118, 3921..4118, 3923..4156, 4415..4507, 4437..4547, 4437..4541, 4544..4612		

Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	2888	End	4967
GI	none	Score	89

Exons	2888..2968, 2892..2951, 2894..2968, 3041..3106, 3042..3107, 3043..3126, 3406..3510, 3413..3502, 3415..3507, 3619..3693, 3620..3697, 3629..3700, 3771..3839, 3920..4090, 3921..4097, 4442..4597, 4889..4966, 4890..4967		
Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o2.gp	Method	AAT/GAP
Start	4052	End	4394
GI	LIB3432-019-P1-K1-C12	Score	617
Exons	4052..4394		
GI Descrip.	'3821780/emb|AJ009303.1|XLAJ9303 4.0e-10 Xenopus laevis cDNA clone 27A6-1'		
Seq. No.	8126	Seq. ID	OJ990821_56.9C20.C4
Gene No.	17241	Strand	-
Start	2318	End	4994
Name	OJ990821_56.9C20.C4.o2.tm	Method	TBLASTX:Maize
Start	4631	End	4994
GI	none	Score	50
Exons	4631..4681, 4632..4682, 4745..4972, 4776..4967, 4884..4994, 4885..4986		
Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17242	Strand	+
Start	8420	End	8822
Name	OJ990821_56.9C20.C5.o3.gp	Method	AAT/GAP
Start	8420	End	8822
GI	7406_1.R1084	Score	649
Exons	8420..8822		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17243	Strand	-
Start	180	End	2904
Name	OJ990821_56.9C20.C5.o1.np	Method	AAT/NAP
Start	180	End	2904
GI	4006864	Score	442
Exons	180..594, 925..1375, 1924..2038, 2538..2904		
GI Descrip.	(Z99707) nucleoporin-like protein [Arabidopsis thaliana]		
Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17244	Strand	-
Start	3666	End	3912
Name	OJ990821_56.9C20.C5.o1.gp	Method	AAT/GAP
Start	3666	End	3912
GI	3769044	Score	449
Exons	3666..3912		
Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17245	Strand	-
Start	3897	End	5766
Name	OJ990821_56.9C20.C5.o2.gp	Method	AAT/GAP
Start	3897	End	5766
GI	31168_1.R1084	Score	1439

Exons	3897..4318, 4422..4495, 5453..5640, 5689..5766		
GI Descrip.	'5306244/gb|AAD41977.1|AC006438_9 2.0e-15 (AC006438) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17245	Strand	-
Start	3897	End	5766
Name	OJ990821_56.9C20.C5.o2.np	Method	AAT/NAP
Start	3998	End	5678
GI	5306244	Score	236
Exons	3998..4318, 4422..4495, 5453..5678		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17246	Strand	-
Start	6708	End	7834
Name	OJ990821_56.9C20.C5.o2.gs	Method	GENSCAN
Start	6708	End	7834
GI	none	Score	.99
Exons	6708..6986, 7102..7175, 7612..7834		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17247	Strand	-
Start	9099	End	11717
Name	OJ990821_56.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	254	End	1029
GI	none	Score	84
Exons	254..331, 311..451, 340..450, 445..612, 543..596, 922..1029		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17247	Strand	-
Start	9099	End	11717
Name	OJ990821_56.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	3812	End	7177
GI	none	Score	41
Exons	3812..3838, 3813..3839, 3950..4159, 3951..4166, 3953..4240, 3960..4166, 4160..4321, 4161..4319, 4171..4320, 4422..4520, 4422..4514, 5418..5579, 5454..5564, 5673..5711, 6723..6797, 6723..6824, 6801..6992, 6874..6984, 7102..7176, 7103..7177		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17247	Strand	-
Start	9099	End	11717
Name	OJ990821_56.9C20.C5.o1.tw	Method	TBLASTX:Wheat
Start	4190	End	7708
GI	none	Score	158
Exons	4190..4321, 4191..4319, 4422..4520, 4422..4514, 5418..5585, 5452..5562, 5454..5564, 5673..5708, 6867..6992, 6874..6984, 7102..7176, 7103..7177, 7104..7178, 7613..7708		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17247	Strand	-
Start	9099	End	11717
Name	OJ990821_56.9C20.C5.o3.gs	Method	GENSCAN
Start	9099	End	11427
GI	none	Score	.9
Exons	9099..9239, 9691..9801, 10282..10622, 11001..11427		

Seq. No.	8127	Seq. ID	OJ990821_56.9C20.C5
Gene No.	17247	Strand	-
Start	9099	End	11717
Name	OJ990821_56.9C20.C5.o3.np	Method	AAT/NAP
Start	9926	End	11717
GI	6907086	Score	1178
Exons	9926..10012, 10112..10440, 10663..10892, 10953..11717		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8128	Seq. ID	OJ990821_56.9C20.C6
Gene No.	17248	Strand	+
Start	493	End	982
Name	OJ990821_56.9C20.C6.o1.gs	Method	GENSCAN
Start	493	End	982
GI	none	Score	.88
Exons	493..502, 909..982		

Seq. No.	8128	Seq. ID	OJ990821_56.9C20.C6
Gene No.	17249	Strand	+
Start	1703	End	2026
Name	OJ990821_56.9C20.C6.o1.gp	Method	AAT/GAP
Start	1703	End	2026
GI	LIB3431-045-P1-N1-A10	Score	574
Exons	1703..2026		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	8128	Seq. ID	OJ990821_56.9C20.C6
Gene No.	17250	Strand	-
Start	1	End	429
Name	OJ990821_56.9C20.C6.o1.np	Method	AAT/NAP
Start	1	End	429
GI	6907088	Score	382
Exons	1..116, 292..429		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8128	Seq. ID	OJ990821_56.9C20.C6
Gene No.	17251	Strand	-
Start	1279	End	1430
Name	OJ990821_56.9C20.C6.o2.gs	Method	GENSCAN
Start	1279	End	1430
GI	none	Score	.66
Exons	1279..1297, 1315..1430		

Seq. No.	8128	Seq. ID	OJ990821_56.9C20.C6
Gene No.	17252	Strand	-
Start	1874	End	2026
Name	OJ990821_56.9C20.C6.o3.gs	Method	GENSCAN
Start	1874	End	2026
GI	none	Score	.72
Exons	1874..2026		

Seq. No.	8129	Seq. ID	OJ990821_56.9C20.C7
Gene No.	17253	Strand	-
Start	1	End	768
Name	OJ990821_56.9C20.C7.o1.np	Method	AAT/NAP

Start	1	End	768
GI	5441880	Score	395
Exons	1..31, 514..768		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8129	Seq. ID	OJ990821_56.9C20.C7
Gene No.	17253	Strand	-
Start	1	End	768
Name	OJ990821_56.9C20.C7.o1.tw	Method	TBLASTX:Wheat
Start	301	End	681
GI	none	Score	71
Exons	301..477, 331..477, 362..481, 475..672, 487..681		

Seq. No.	8129	Seq. ID	OJ990821_56.9C20.C7
Gene No.	17253	Strand	-
Start	1	End	768
Name	OJ990821_56.9C20.C7.o1.tm	Method	TBLASTX:Maize
Start	379	End	766
GI	none	Score	146
Exons	379..450, 514..756, 575..766		

Seq. No.	8129	Seq. ID	OJ990821_56.9C20.C7
Gene No.	17253	Strand	-
Start	1	End	768
Name	OJ990821_56.9C20.C7.o1.gp	Method	AAT/GAP
Start	501	End	768
GI	5701669	Score	521
Exons	501..768		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8130	Seq. ID	OJ990821_56.9C20.C10
Gene No.	17254	Strand	-
Start	1	End	758
Name	OJ990821_56.9C20.C10.o1.gp	Method	AAT/GAP
Start	1	End	154
GI	5701669	Score	300
Exons	1..154		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8130	Seq. ID	OJ990821_56.9C20.C10
Gene No.	17254	Strand	-
Start	1	End	758
Name	OJ990821_56.9C20.C10.o1.np	Method	AAT/NAP
Start	1	End	758
GI	5441880	Score	1316
Exons	1..758		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8130	Seq. ID	OJ990821_56.9C20.C10

Gene No.	17255	Strand	-
Start	8427	End	8943
Name	OJ990821_56.9C20.C10.o2.np	Method	AAT/NAP
Start	8427	End	8943
GI	6815099	Score	71
Exons	8427..8498, 8909..8943		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8130	Seq. ID	OJ990821_56.9C20.C10
Gene No.	17255	Strand	-
Start	8427	End	8943
Name	OJ990821_56.9C20.C10.o3.gp	Method	AAT/GAP
Start	8658	End	8757
GI	LIB3432-008-P1-K1-F11	Score	125
Exons	8658..8757		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8131	Seq. ID	OJ990821_56.9C20.C11
Gene No.	17256	Strand	+
Start	62	End	2196
Name	OJ990821_56.9C20.C11.o1.gs	Method	GENSCAN
Start	62	End	2196
GI	none	Score	.7
Exons	62..314, 2013..2196		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.np	Method	AAT/NAP
Start	1	End	2533
GI	4006867	Score	2091
Exons	1..1571, 1650..2533		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.gs	Method	GENSCAN
Start	90	End	2518
GI	none	Score	.73
Exons	90..161, 206..2518		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o4.ts	Method	TBLASTX:Soybean
Start	272	End	427
GI	none	Score	221
Exons	272..427, 274..426		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o4.tm	Method	TBLASTX:Maize
Start	323	End	595
GI	none	Score	400

Exons	323..595, 334..594		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o3.ts	Method	TBLASTX:Soybean
Start	461	End	643
GI	none	Score	209
Exons	461..607, 469..594, 593..643, 607..642		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o6.tm	Method	TBLASTX:Maize
Start	602	End	742
GI	none	Score	143
Exons	602..700, 609..695, 610..696, 611..697, 697..741, 698..742		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.ts	Method	TBLASTX:Soybean
Start	644	End	1279
GI	none	Score	493
Exons	644..997, 646..942, 977..1201, 1021..1194, 1191..1253, 1192..1266, 1193..1279		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o2.tm	Method	TBLASTX:Maize
Start	744	End	1063
GI	none	Score	132
Exons	744..821, 745..1062, 746..1063		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o3.tc	Method	TBLASTX:Cress
Start	791	End	973
GI	none	Score	224
Exons	791..973, 793..942		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1252
GI	none	Score	244
Exons	869..1036, 869..1012, 871..1017, 885..1025, 1006..1083, 1007..1102, 1097..1252, 1097..1252		
Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o2.tc	Method	TBLASTX:Cress
Start	1113	End	1711

GI	none	Score	71
Exons	1113..1274, 1121..1294, 1138..1266, 1331..1459, 1333..1440, 1664..1711		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o3.tm	Method	TBLASTX:Maize
Start	1164	End	1538
GI	none	Score	205
Exons	1164..1382, 1164..1445, 1165..1485, 1166..1537, 1434..1538		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o5.tm	Method	TBLASTX:Maize
Start	1594	End	1852
GI	none	Score	113
Exons	1594..1665, 1595..1675, 1606..1677, 1652..1789, 1667..1789, 1793..1852, 1795..1848		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o2.ts	Method	TBLASTX:Soybean
Start	1697	End	2173
GI	none	Score	55
Exons	1697..1738, 1753..1779, 1778..1864, 1795..1833, 1934..2173, 1934..2167, 1963..2172		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.tm	Method	TBLASTX:Maize
Start	1956	End	2479
GI	none	Score	569
Exons	1956..2312, 1960..2313, 1961..2314, 2294..2398, 2328..2387, 2392..2478, 2393..2479		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.tc	Method	TBLASTX:Cress
Start	2045	End	2512
GI	none	Score	35
Exons	2045..2071, 2073..2174, 2074..2175, 2075..2173, 2174..2281, 2188..2271, 2342..2512, 2348..2458, 2380..2511		

Seq. No.	8132	Seq. ID	OJ990821_56.9C20.C12
Gene No.	17257	Strand	+
Start	1	End	2533
Name	OJ990821_56.9C20.C12.o1.gp	Method	AAT/GAP
Start	2213	End	2390
GI	LIB3479-007-Q6-K1-C2	Score	336
Exons	2213..2390		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize		

transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	8133	Seq. ID	OJ990821_56.9C20.C13
Gene No.	17258	Strand	+
Start	452	End	1052
Name	OJ990821_56.9C20.C13.o1.np	Method	AAT/NAP
Start	452	End	1052
GI	2498930	Score	677
Exons	452..512, 680..1052		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8133	Seq. ID	OJ990821_56.9C20.C13
Gene No.	17258	Strand	+
Start	452	End	1052
Name	OJ990821_56.9C20.C13.o1.gs	Method	GENSCAN
Start	453	End	982
GI	none	Score	.7
Exons	453..512, 680..982		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17259	Strand	+
Start	384	End	8310
Name	OJ990821_56.9C20.C15.o1.gs	Method	GENSCAN
Start	384	End	8310
GI	none	Score	.4
Exons	384..465, 644..763, 2054..2097, 2178..2263, 3423..3698, 3861..3946, 5459..5541, 6519..6544, 7176..8310		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17259	Strand	+
Start	384	End	8310
Name	OJ990821_56.9C20.C15.o1.np	Method	AAT/NAP
Start	1073	End	7717
GI	3236241	Score	241
Exons	1073..1233, 7358..7717		
GI Descrip.	(AC004684) putative DOF zinc finger protein [Arabidopsis thaliana]		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17259	Strand	+
Start	384	End	8310
Name	OJ990821_56.9C20.C15.o1.gp	Method	AAT/GAP
Start	7496	End	7794
GI	2311601	Score	565
Exons	7496..7794		
GI Descrip.	4996646/dbj|BAA78575.1| 4.0e-20 (AB028132) Dof zinc finger protein [Oryza sativa]		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17260	Strand	-
Start	10850	End	11368
Name	OJ990821_56.9C20.C15.o1.tc	Method	TBLASTX:Cress
Start	7462	End	7614
GI	none	Score	289
Exons	7462..7614, 7470..7610		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17260	Strand	-
Start	10850	End	11368
Name	OJ990821_56.9C20.C15.o1.tm	Method	TBLASTX:Maize
Start	7465	End	7614
GI	none	Score	269
Exons	7465..7614, 7467..7610		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17260	Strand	-
Start	10850	End	11368
Name	OJ990821_56.9C20.C15.o1.ts	Method	TBLASTX:Soybean
Start	7465	End	7614
GI	5606389	Score	297
Exons	7465..7614, 7470..7613		
GI Descrip.	-		

Seq. No.	8134	Seq. ID	OJ990821_56.9C20.C15
Gene No.	17260	Strand	-
Start	10850	End	11368
Name	OJ990821_56.9C20.C15.o2.gs	Method	GENSCAN
Start	10850	End	11368
GI	none	Score	.58
Exons	10850..10894, 11300..11368		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.gs	Method	GENSCAN
Start	534	End	6685
GI	none	Score	.8
Exons	534..690, 1724..1949, 2728..2827, 2857..2955, 3061..3165, 3856..3948, 4531..4632, 4720..4794, 6307..6342, 6479..6685		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o2.tm	Method	TBLASTX:Maize
Start	1515	End	1938
GI	none	Score	50
Exons	1515..1568, 1620..1667, 1623..1718, 1639..1707, 1705..1743, 1719..1937, 1719..1775, 1805..1936, 1831..1938, 1831..1938		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.gp	Method	AAT/GAP
Start	1646	End	2941
GI	LIB3433-027-P1-K1-F8	Score	833
Exons	1646..2007, 2857..2941		
GI Descrip.	'4996646/dbj|BAA78575.1| 4.0e-20 (AB028132) Dof zinc finger protein [Oryza sativa]'		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.tc	Method	TBLASTX:Cress

Start	1719	End	6622
GI	none	Score	46
Exons	1719..1796, 1831..2007, 1832..1894, 1854..1982, 1855..2004, 1958..2008, 2747..2833, 2748..2831, 2860..2961, 2864..2959, 3055..3162, 3062..3166, 3065..3166, 3066..3167, 3838..3957, 3848..3949, 4192..4284, 4196..4291, 4196..4306, 4380..4436, 4380..4433, 4505..4633, 4525..4647, 4526..4633, 4530..4637, 4530..4649, 4715..4795, 4717..4797, 6476..6622, 6483..6620		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.np	Method	AAT/NAP
Start	1723	End	6655
GI	2146746	Score	1300
Exons	1723..2007, 2857..2955, 3061..3165, 3856..3948, 4192..4284, 4380..4433, 4531..4632, 4720..4794, 6479..6655		
GI Descrip.	protein kinase (EC 2.7.1.-) - Arabidopsis thaliana gi|166819 (L05562) protein kinase [Arabidopsis thaliana]		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.ts	Method	TBLASTX:Soybean
Start	1894	End	6634
GI	none	Score	82
Exons	1894..2010, 1894..2010, 2747..2833, 2748..2825, 2860..2961, 2864..2953, 3055..3162, 3056..3190, 3062..3166, 3063..3167, 3838..3957, 3848..3949, 4192..4284, 4192..4284, 4196..4288, 4196..4297, 4197..4304, 4380..4433, 4390..4434, 4525..4647, 4526..4633, 4715..4795, 4717..4830, 4717..4797, 6476..6634, 6483..6605		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.tm	Method	TBLASTX:Maize
Start	1939	End	6629
GI	none	Score	137
Exons	1939..2010, 2747..2833, 2860..2961, 3064..3162, 3065..3166, 3838..3957, 3848..3949, 4192..4290, 4193..4297, 4193..4297, 4380..4433, 4381..4434, 4384..4425, 4525..4647, 4532..4633, 4717..4800, 4718..4795, 6476..6595, 6483..6629		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o1.tw	Method	TBLASTX:Wheat
Start	4192	End	4777
GI	none	Score	100
Exons	4192..4284, 4192..4284, 4193..4288, 4380..4433, 4387..4425, 4525..4647, 4527..4604, 4532..4633, 4717..4773, 4718..4777		

Seq. No.	8135	Seq. ID	OJ990821_56.9C20.C16
Gene No.	17261	Strand	-
Start	534	End	6685
Name	OJ990821_56.9C20.C16.o2.tw	Method	TBLASTX:Wheat

Start	6476	End	6641
GI	none	Score	63
Exons	6476..6517, 6476..6640, 6480..6641		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17262	Strand	+
Start	1	End	99
Name	OJ990821_56.9C20.C17.o1.gp	Method	AAT/GAP
Start	1	End	99
GI	LIB3477-003-P1-K1-E9	Score	175
Exons	1..99		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o1.tm	Method	TBLASTX:Maize
Start	6508	End	7187
GI	none	Score	35
Exons	6508..6567, 6594..6614, 6603..6716, 6645..6716, 6721..6765, 6735..6809, 6769..6813, 6939..7016, 6939..7016, 6940..7017, 7109..7186, 7113..7187		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o1.np	Method	AAT/NAP
Start	6551	End	7237
GI	5734711	Score	185
Exons	6551..6800, 6939..7015, 7108..7237		
GI Descrip.	(AC008075) F24J5.9 [Arabidopsis thaliana]		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o2.gs	Method	GENSCAN
Start	6576	End	7025
GI	none	Score	.86
Exons	6576..6800, 6939..7025		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o2.gp	Method	AAT/GAP
Start	6685	End	7237
GI	LIB3433-055-P1-K1-H1	Score	606
Exons	6685..6800, 6939..7015, 7108..7237		
GI Descrip.	'5734711/gb|AAD49976.1|AC008075_9 1.0e-25 (AC008075) F24J5.9 [Arabidopsis thaliana]'		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o1.tc	Method	TBLASTX:Cress
Start	6939	End	7187

GI	none	Score	100
Exons	6939..7016, 6943..7017, 7115..7186, 7116..7187		

Seq. No.	8136	Seq. ID	OJ990821_56.9C20.C17
Gene No.	17263	Strand	-
Start	6576	End	7237
Name	OJ990821_56.9C20.C17.o1.ts	Method	TBLASTX:Soybean
Start	6939	End	7187
GI	none	Score	100
Exons	6939..7013, 6943..7014, 7109..7186, 7116..7187		

Seq. No.	8137	Seq. ID	OJ990821_56.9C20.C18
Gene No.	17264	Strand	-
Start	1	End	323
Name	OJ990821_56.9C20.C18.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	none	Score	560
Exons	1..323		

Seq. No.	8137	Seq. ID	OJ990821_56.9C20.C18
Gene No.	17264	Strand	-
Start	1	End	323
Name	OJ990821_56.9C20.C18.o1.tm	Method	TBLASTX:Maize
Start	34	End	243
GI	none	Score	201
Exons	34..243		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17265	Strand	+
Start	3094	End	3961
Name	OJ990821_56.9C20.C19.o3.gp	Method	AAT/GAP
Start	3094	End	3961
GI	2421_1.R1084	Score	1455
Exons	3094..3210, 3294..3961		
GI Descrip.	'2739375 9.0e-11 (AC002505) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17265	Strand	+
Start	3094	End	3961
Name	OJ990821_56.9C20.C19.o1.gs	Method	GENSCAN
Start	3296	End	3652
GI	none	Score	.98
Exons	3296..3652		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17265	Strand	+
Start	3094	End	3961
Name	OJ990821_56.9C20.C19.o1.np	Method	AAT/NAP
Start	3365	End	3655
GI	3090403	Score	214
Exons	3365..3655		
GI Descrip.	(AJ005671) cytochrome b6f complex subunit [Arabidopsis thaliana]		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17266	Strand	-
Start	737	End	1066

Name	OJ990821_56.9C20.C19.o2.gp	Method	AAT/GAP
Start	737	End	1066
GI	none	Score	302
Exons	737..835, 952..1066		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17267	Strand	-
Start	3962	End	4103
Name	OJ990821_56.9C20.C19.o1.tm	Method	TBLASTX:Maize
Start	3320	End	3798
GI	none	Score	350
Exons	3320..3652, 3356..3460, 3367..3651, 3721..3798, 3759..3794		

Seq. No.	8138	Seq. ID	OJ990821_56.9C20.C19
Gene No.	17267	Strand	-
Start	3962	End	4103
Name	OJ990821_56.9C20.C19.o4.gp	Method	AAT/GAP
Start	3962	End	4103
GI	77121_1.R1084	Score	254
Exons	3962..4103		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	8139	Seq. ID	OJ990821_50.9C21.C1
Gene No.	17268	Strand	-
Start	49	End	166
Name	OJ990821_50.9C21.C1.o1.gs	Method	GENSCAN
Start	49	End	166
GI	none	Score	.99
Exons	49..166		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.gs	Method	GENSCAN
Start	1205	End	2789
GI	none	Score	.79
Exons	1205..1570, 1637..1831, 1905..2789		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.np	Method	AAT/NAP
Start	1205	End	2618
GI	2655008	Score	637
Exons	1205..1531, 1637..1678, 1763..1831, 1905..2618		
GI Descrip.	(AF017144) (1-4)-beta-mannan endohydrolase [Lycopersicon esculentum]		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o2.tm	Method	TBLASTX:Maize
Start	1321	End	1672
GI	none	Score	229
Exons	1321..1530, 1325..1531, 1438..1533, 1634..1672, 1636..1671		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.ts	Method	TBLASTX:Soybean
Start	1328	End	2594
GI	none	Score	172
Exons	1328..1531, 1438..1506, 1634..1831, 1636..1791, 1899..2084, 1904..2071, 2073..2132, 2162..2374, 2163..2462, 2364..2486, 2372..2476, 2460..2594		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o2.tc	Method	TBLASTX:Cress
Start	1328	End	1726
GI	none	Score	144
Exons	1328..1534, 1634..1726		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.tc	Method	TBLASTX:Cress
Start	1730	End	2147
GI	none	Score	120
Exons	1730..1849, 1899..2084, 1904..2068, 2079..2147		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.tm	Method	TBLASTX:Maize
Start	1899	End	2492
GI	none	Score	205
Exons	1899..2069, 1907..2068, 2076..2135, 2160..2240, 2247..2351, 2373..2492		

Seq. No.	8140	Seq. ID	OJ990821_50.9C21.C2
Gene No.	17269	Strand	+
Start	1205	End	2789
Name	OJ990821_50.9C21.C2.o1.tw	Method	TBLASTX:Wheat
Start	1931	End	2324
GI	none	Score	179
Exons	1931..2068, 1932..2069, 2076..2114, 2088..2324, 2201..2323		

Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17270	Strand	+
Start	1170	End	1535
Name	OJ990821_50.9C21.C3.o1.gs	Method	GENSCAN
Start	1170	End	1535
GI	none	Score	.44
Exons	1170..1535		

Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17271	Strand	+
Start	2052	End	4257
Name	OJ990821_50.9C21.C3.o1.gp	Method	AAT/GAP
Start	2052	End	3668

GI	426204	Score	518
Exons	2052..2266, 3601..3668		
Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17271	Strand	+
Start	2052	End	4257
Name	OJ990821_50.9C21.C3.o1.np	Method	AAT/NAP
Start	3553	End	4257
GI	6630541	Score	345
Exons	3553..3890, 3977..4257		
GI Descrip.	(AC011708) putative (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]		
Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17271	Strand	+
Start	2052	End	4257
Name	OJ990821_50.9C21.C3.o1.ts	Method	TBLASTX:Soybean
Start	3629	End	4171
GI	none	Score	244
Exons	3629..3874, 3687..3890, 3941..4090, 3974..4171, 3976..4170		
Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17271	Strand	+
Start	2052	End	4257
Name	OJ990821_50.9C21.C3.o1.tm	Method	TBLASTX:Maize
Start	3630	End	4012
GI	none	Score	58
Exons	3630..3680, 3639..3686, 3686..3889, 3687..3890, 3974..4012, 3976..4011		
Seq. No.	8141	Seq. ID	OJ990821_50.9C21.C3
Gene No.	17271	Strand	+
Start	2052	End	4257
Name	OJ990821_50.9C21.C3.o1.tc	Method	TBLASTX:Cress
Start	3687	End	4084
GI	none	Score	195
Exons	3687..3899, 3707..3898, 3970..4083, 3971..4084		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17272	Strand	+
Start	1	End	1252
Name	OJ990821_50.9C21.C4.o1.gp	Method	AAT/GAP
Start	1	End	381
GI	LIB3432-041-P1-K1-D3	Score	738
Exons	1..381		
GI Descrip.	'5302783/emb|CAB46032.1| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]'		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17272	Strand	+
Start	1	End	1252
Name	OJ990821_50.9C21.C4.o1.gs	Method	GENSCAN
Start	67	End	1252
GI	none	Score	.74
Exons	67..365, 1235..1252		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4

Gene No.	17273	Strand	+
Start	2700	End	7378
Name	OJ990821_50.9C21.C4.o1.np	Method	AAT/NAP
Start	2667	End	7363
GI	4454039	Score	1981
Exons	2667..2858, 5195..7363		
GI Descrip.	(AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17273	Strand	+
Start	2700	End	7378
Name	OJ990821_50.9C21.C4.o2.gs	Method	GENSCAN
Start	2700	End	7378
GI	none	Score	.99
Exons	2700..2858, 5195..7378		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17274	Strand	+
Start	9974	End	12367
Name	OJ990821_50.9C21.C4.o4.gs	Method	GENSCAN
Start	9974	End	12367
GI	none	Score	.9
Exons	9974..12367		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17274	Strand	+
Start	9974	End	12367
Name	OJ990821_50.9C21.C4.o2.np	Method	AAT/NAP
Start	9984	End	12364
GI	3176715	Score	574
Exons	9984..11404, 11436..12364		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17275	Strand	+
Start	20481	End	20917
Name	OJ990821_50.9C21.C4.o3.gp	Method	AAT/GAP
Start	20481	End	20917
GI	uC-osf1cyp067a05a1	Score	863
Exons	20481..20917		
GI Descrip.	'407940 2.0e-16 (U02495) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17276	Strand	+
Start	23932	End	24986
Name	OJ990821_50.9C21.C4.o8.gs	Method	GENSCAN
Start	23932	End	24986
GI	none	Score	.68
Exons	23932..23989, 24250..24537, 24715..24986		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17277	Strand	+
Start	26320	End	26857
Name	OJ990821_50.9C21.C4.o10.gs	Method	GENSCAN
Start	26320	End	26857

GI	none	Score	.87
Exons	26320..26395, 26496..26857		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17278	Strand	+
Start	29598	End	43003
Name	OJ990821_50.9C21.C4.o12.gs	Method	GENSCAN
Start	29598	End	37214
GI	none	Score	.51
Exons	29598..29627, 29818..29854, 30221..30289, 30616..30758, 31043..32053, 32242..32270, 32889..32939, 33305..33557, 33563..33692, 34207..34276, 35696..35833, 35878..36000, 36668..36776, 36822..37214		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17278	Strand	+
Start	29598	End	43003
Name	OJ990821_50.9C21.C4.o5.np	Method	AAT/NAP
Start	30183	End	32107
GI	5042447	Score	731
Exons	30183..30276, 31063..32107		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17278	Strand	+
Start	29598	End	43003
Name	OJ990821_50.9C21.C4.o6.np	Method	AAT/NAP
Start	36462	End	43003
GI	5803259	Score	1935
Exons	36462..37352, 40378..40740, 40835..41005, 41064..41956, 42050..42223, 42329..43003		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17279	Strand	-
Start	8121	End	9276
Name	OJ990821_50.9C21.C4.o3.gs	Method	GENSCAN
Start	8121	End	9276
GI	none	Score	.71
Exons	8121..8241, 8996..9081, 9167..9215, 9272..9276		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17280	Strand	-
Start	13915	End	14865
Name	OJ990821_50.9C21.C4.o5.gs	Method	GENSCAN
Start	13915	End	14865
GI	none	Score	1
Exons	13915..14865		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o7.gs	Method	GENSCAN
Start	17572	End	23254
GI	none	Score	.81
Exons	17572..17687, 17766..17883, 17987..18037, 18905..18957, 19679..19853, 19970..20090, 20670..20948, 21762..21994,		

22688..22870, 22952..23254

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o3.np	Method	AAT/NAP
Start	17578	End	20077
GI	5302783	Score	601
Exons	17578..17687, 17766..17883, 17987..18037, 18422..18484, 18905..18957, 19679..19853, 19970..20077		
GI Descrip.	(Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o2.gp	Method	AAT/GAP
Start	19649	End	20094
GI	426881	Score	468
Exons	19649..19853, 19970..20094		
GI Descrip.	5302783/emb|CAB46032.1| 1.0e-16 (Z97340) isomerase like protein [Arabidopsis thaliana]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o4.np	Method	AAT/NAP
Start	22676	End	29133
GI	5302785	Score	1129
Exons	22676..22870, 22946..23257, 25513..25959, 27527..27733, 28340..28619, 28981..29133		
GI Descrip.	(Z97340) putative epoxide hydrolase [Arabidopsis thaliana]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o9.gs	Method	GENSCAN
Start	25459	End	25728
GI	none	Score	.79
Exons	25459..25728		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17281	Strand	-
Start	17572	End	29133
Name	OJ990821_50.9C21.C4.o11.gs	Method	GENSCAN
Start	27258	End	28654
GI	none	Score	.92
Exons	27258..27269, 27527..27727, 28340..28654		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17282	Strand	-
Start	31137	End	31624
Name	OJ990821_50.9C21.C4.o4.gp	Method	AAT/GAP
Start	31137	End	31624
GI	uC-osflcyp162a07a1	Score	682
Exons	31137..31364, 31464..31624		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17283	Strand	-
Start	38188	End	38619
Name	OJ990821_50.9C21.C4.o6.gp	Method	AAT/GAP
Start	38188	End	38619
GI	2428185	Score	721
Exons	38188..38619		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o5.tc	Method	TBLASTX:Cress
Start	2699	End	5565
GI	none	Score	181
Exons	2699..2857, 2700..2858, 5185..5292, 5189..5407, 5473..5565, 5474..5563		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o9.tm	Method	TBLASTX:Maize
Start	5360	End	5671
GI	none	Score	64
Exons	5360..5419, 5423..5620, 5482..5667, 5564..5671		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o3.ts	Method	TBLASTX:Soybean
Start	5929	End	6262
GI	none	Score	380
Exons	5929..6261, 5930..6262		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o2.tc	Method	TBLASTX:Cress
Start	6191	End	6916
GI	none	Score	133
Exons	6191..6295, 6193..6288, 6218..6436, 6304..6423, 6437..6544, 6596..6916, 6601..6879		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o1.tm	Method	TBLASTX:Maize
Start	6265	End	6949
GI	none	Score	325
Exons	6265..6540, 6266..6541, 6595..6870, 6596..6949		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o5.ts	Method	TBLASTX:Soybean

Start	6332	End	6745
GI	none	Score	118
Exons	6332..6430, 6425..6547, 6436..6528, 6596..6745, 6622..6744		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o7.ts	Method	TBLASTX:Soybean
Start	6773	End	6979
GI	none	Score	234
Exons	6773..6979, 6784..6879		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o10.tw	Method	TBLASTX:Wheat
Start	6799	End	7152
GI	none	Score	225
Exons	6799..6978, 6800..6979, 7048..7152		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o1.tc	Method	TBLASTX:Cress
Start	10400	End	12352
GI	none	Score	117
Exons	10400..10558, 11459..11563, 11491..11562, 11564..11773, 11590..11772, 11789..12121, 11833..12117, 11876..12121, 12152..12214, 12206..12352		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o3.tm	Method	TBLASTX:Maize
Start	11525	End	12115
GI	none	Score	203
Exons	11525..11782, 11527..11715, 11795..12115, 11869..11961		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o3.tw	Method	TBLASTX:Wheat
Start	11635	End	23711
GI	none	Score	457
Exons	11635..11958, 11636..12025, 11789..12025, 23637..23711		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o1.ts	Method	TBLASTX:Soybean
Start	11717	End	12415
GI	none	Score	73
Exons	11717..11773, 11774..11959, 11833..11961, 11975..12199, 12013..12114, 12203..12415		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-

Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o5.tm	Method	TBLASTX:Maize
Start	17551	End	20059
GI	none	Score	185
Exons	17551..17688, 17552..17689, 17762..17893, 17763..17885, 17764..17889, 17984..18037, 17985..18047, 18419..18484, 18420..18485, 18422..18499, 18424..18498, 18896..18958, 18906..18959, 18912..18959, 18913..18960, 19674..19745, 19677..19856, 19678..19854, 19849..19974, 19968..20039, 19970..20059, 19970..20038		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o4.ts	Method	TBLASTX:Soybean
Start	17587	End	20039
GI	none	Score	96
Exons	17587..17688, 17597..17689, 17762..17887, 17764..17889, 17971..18015, 17972..18037, 18419..18484, 18428..18499, 18905..18958, 19674..19745, 19677..19799, 19806..19856, 19807..19854, 19968..20039, 19970..20038		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o6.tc	Method	TBLASTX:Cress
Start	18416	End	20039
GI	none	Score	38
Exons	18416..18478, 18893..18958, 19677..19799, 19678..19722, 19806..19856, 19807..19854, 19968..20039, 19970..20038		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o7.tw	Method	TBLASTX:Wheat
Start	18920	End	47777
GI	none	Score	153
Exons	18920..18958, 18927..18959, 19671..19856, 19677..19856, 19968..20039, 19970..20059, 19970..20038, 47673..47777		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o2.ts	Method	TBLASTX:Soybean
Start	20696	End	28624
GI	none	Score	136
Exons	20696..20947, 20705..20947, 20706..20948, 20874..20948, 21761..21865, 22688..22855, 22692..22853, 22769..22873, 22837..22872, 23000..23170, 23001..23171, 23174..23236, 23175..23231, 25477..25815, 25637..25765, 27527..27589, 27620..27739, 27621..27788, 28388..28543, 28389..28538, 28580..28624, 28587..28619		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o4.tc	Method	TBLASTX:Cress

Start	20702	End	25815
GI	none	Score	132
Exons	20702..20953, 20705..20953, 21764..21868, 25477..25815, 25607..25762		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o2.tm	Method	TBLASTX:Maize
Start	20705	End	27736
GI	none	Score	126
Exons	20705..20956, 20705..20956, 20706..20957, 21764..21871, 22686..22754, 22688..22753, 22766..22909, 22766..22858, 25477..25812, 25478..25543, 25613..25765, 25657..25797, 25864..25986, 25865..25972, 27525..27734, 27527..27733, 27587..27736		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o5.tw	Method	TBLASTX:Wheat
Start	20705	End	25773
GI	none	Score	133
Exons	20705..20959, 20705..20959, 20727..20963, 21761..21805, 25477..25773, 25613..25765		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o3.tc	Method	TBLASTX:Cress
Start	22694	End	28618
GI	none	Score	95
Exons	22694..22720, 22724..22858, 22743..22898, 22845..22877, 23000..23185, 23001..23189, 23177..23230, 27533..27559, 27606..27728, 27626..27733, 27641..27730, 27829..27861, 28388..28543, 28389..28538, 28580..28618		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o4.tm	Method	TBLASTX:Maize
Start	23000	End	28624
GI	none	Score	341
Exons	23000..23248, 23001..23249, 28388..28624, 28389..28619		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o13.tw	Method	TBLASTX:Wheat
Start	23024	End	28543
GI	none	Score	170
Exons	23024..23185, 23025..23189, 28403..28543, 28413..28538, 28490..28543		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380

Name	OJ990821_50.9C21.C4.o8.tw	Method	TBLASTX:Wheat
Start	31205	End	31561
GI	none	Score	288
Exons	31205..31561, 31213..31383, 31420..31560		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o10.tm	Method	TBLASTX:Maize
Start	31442	End	31705
GI	none	Score	207
Exons	31442..31705, 31468..31629		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o14.gs	Method	GENSCAN
Start	43624	End	49380
GI	none	Score	.58
Exons	43624..44865, 45078..45439, 45524..45967, 46225..47041, 47174..47341, 47395..48023, 48132..49380		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o7.np	Method	AAT/NAP
Start	43627	End	48841
GI	6498441	Score	4869
Exons	43627..43908, 44002..45398, 45588..46229, 46404..46538, 46722..47094, 47158..47436, 47539..47689, 47745..48841		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o9.tw	Method	TBLASTX:Wheat
Start	43636	End	44236
GI	none	Score	71
Exons	43636..43761, 43640..43759, 43947..44081, 43948..44235, 43955..44095, 43987..44100, 44009..44236, 44135..44233, 44196..44234		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o4.tw	Method	TBLASTX:Wheat
Start	44239	End	44620
GI	none	Score	192
Exons	44239..44619, 44252..44518, 44564..44620		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o8.tm	Method	TBLASTX:Maize
Start	44423	End	44757

GI	none	Score	168
Exons	44423..44563, 44434..44757, 44447..44638		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o9.ts	Method	TBLASTX:Soybean
Start	45027	End	45593
GI	5666795	Score	56
Exons	45027..45215, 45264..45401, 45495..45593		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o6.tw	Method	TBLASTX:Wheat
Start	45264	End	45716
GI	none	Score	94
Exons	45264..45416, 45265..45405, 45475..45696, 45495..45716		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o6.ts	Method	TBLASTX:Soybean
Start	46068	End	46438
GI	none	Score	73
Exons	46068..46118, 46100..46438, 46317..46424		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o2.tw	Method	TBLASTX:Wheat
Start	46112	End	46516
GI	none	Score	274
Exons	46112..46516, 46149..46511		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o7.tm	Method	TBLASTX:Maize
Start	46190	End	46574
GI	none	Score	148
Exons	46190..46573, 46317..46574		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o6.tm	Method	TBLASTX:Maize
Start	46601	End	46957
GI	none	Score	190
Exons	46601..46957, 46611..46916		

Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o1.tw	Method	TBLASTX:Wheat
Start	46625	End	47087

GI	none	Score	319
Exons	46625..47086, 46626..47087		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o8.ts	Method	TBLASTX:Soybean
Start	46682	End	47047
GI	none	Score	113
Exons	46682..46816, 46823..47047		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o12.tw	Method	TBLASTX:Wheat
Start	47195	End	47507
GI	none	Score	111
Exons	47195..47434, 47214..47435, 47439..47507		
Seq. No.	8142	Seq. ID	OJ990821_50.9C21.C4
Gene No.	17284	Strand	-
Start	43624	End	49380
Name	OJ990821_50.9C21.C4.o11.tw	Method	TBLASTX:Wheat
Start	48301	End	48643
GI	none	Score	114
Exons	48301..48573, 48335..48574, 48541..48639, 48551..48643		
Seq. No.	8143	Seq. ID	OJ990821_50.9C21.C5
Gene No.	17285	Strand	-
Start	875	End	980
Name	OJ990821_50.9C21.C5.o1.gs	Method	GENSCAN
Start	875	End	980
GI	none	Score	.57
Exons	875..980		
Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17286	Strand	-
Start	25	End	569
Name	OJ990821_50.9C21.C6.o1.gs	Method	GENSCAN
Start	25	End	456
GI	none	Score	.95
Exons	25..456		
Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17286	Strand	-
Start	25	End	569
Name	OJ990821_50.9C21.C6.o1.gp	Method	AAT/GAP
Start	105	End	569
GI	29419_1.R1084	Score	906
Exons	105..569		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17287	Strand	-
Start	3242	End	5917
Name	OJ990821_50.9C21.C6.o3.gs	Method	GENSCAN

Start	3242	End	5917
GI	none	Score	.84
Exons	3242..3252, 3384..3449, 5289..5503, 5706..5917		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17287	Strand	-
Start	3242	End	5917
Name	OJ990821_50.9C21.C6.o1.np	Method	AAT/NAP
Start	5153	End	5888
GI	4105794	Score	329
Exons	5153..5503, 5815..5888		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o2.tm	Method	TBLASTX:Maize
Start	1	End	510
GI	none	Score	168
Exons	1..210, 1..309, 2..310, 211..510, 326..454		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o1.tc	Method	TBLASTX:Cress
Start	5195	End	9135
GI	none	Score	101
Exons	5195..5368, 5202..5360, 5367..5501, 5368..5502, 8838..9134, 8839..8952, 9049..9135		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o1.ts	Method	TBLASTX:Soybean
Start	5195	End	9135
GI	none	Score	104
Exons	5195..5368, 5196..5366, 5367..5501, 5413..5502, 5813..5857, 8838..9134, 9034..9135		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o1.tm	Method	TBLASTX:Maize
Start	5198	End	9437
GI	none	Score	64
Exons	5198..5368, 5201..5275, 5208..5366, 5361..5501, 5374..5520, 5813..5857, 8832..9014, 8833..8982, 9006..9134, 9022..9135, 9387..9437		

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o1.tw	Method	TBLASTX:Wheat
Start	5200	End	9431
GI	none	Score	35
Exons	5200..5253, 5249..5368, 5250..5363, 5364..5501, 5367..5501, 5371..5520, 5603..5626, 5813..5857, 5817..5858, 5904..5978,		

8880..9134, 8887..8982, 9034..9135, 9387..9431

Seq. No.	8144	Seq. ID	OJ990821_50.9C21.C6
Gene No.	17288	Strand	-
Start	8796	End	9455
Name	OJ990821_50.9C21.C6.o2.np	Method	AAT/NAP
Start	8796	End	9455
GI	4105794	Score	254
Exons	8796..9136, 9389..9455		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17289	Strand	+
Start	22	End	4252
Name	OJ990821_50.9C21.C7.o1.gs	Method	GENSCAN
Start	22	End	3307
GI	none	Score	.43
Exons	22..935, 1406..1595, 1672..1974, 2145..2345, 2426..2574, 3202..3307		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17289	Strand	+
Start	22	End	4252
Name	OJ990821_50.9C21.C7.o1.np	Method	AAT/NAP
Start	388	End	4252
GI	5441880	Score	1367
Exons	388..1191, 4133..4252		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17289	Strand	+
Start	22	End	4252
Name	OJ990821_50.9C21.C7.o1.gp	Method	AAT/GAP
Start	1187	End	2900
GI	LIB3431-045-P1-N1-A10	Score	629
Exons	1187..1428, 2791..2900		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17290	Strand	+
Start	7876	End	16266
Name	OJ990821_50.9C21.C7.o3.gs	Method	GENSCAN
Start	7876	End	16266
GI	none	Score	.66
Exons	7876..8016, 9553..9825, 9830..10223, 14142..14225, 14230..14394, 14448..14612, 14623..14720, 16066..16266		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17291	Strand	+
Start	27815	End	30257
Name	OJ990821_50.9C21.C7.o7.gs	Method	GENSCAN
Start	27815	End	30257
GI	none	Score	.47
Exons	27815..27883, 28447..28701, 29430..29601, 30109..30257		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17292	Strand	+
Start	31223	End	32584
Name	OJ990821_50.9C21.C7.o5.np	Method	AAT/NAP
Start	31223	End	32584
GI	6630459	Score	108
Exons	31223..31629, 32509..32584		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17293	Strand	+
Start	38071	End	39510
Name	OJ990821_50.9C21.C7.o10.gs	Method	GENSCAN
Start	38071	End	39510
GI	none	Score	.57
Exons	38071..38171, 39055..39160, 39400..39510		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17294	Strand	-
Start	6335	End	6640
Name	OJ990821_50.9C21.C7.o2.gs	Method	GENSCAN
Start	6335	End	6640
GI	none	Score	.96
Exons	6335..6640		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17295	Strand	-
Start	6545	End	7123
Name	OJ990821_50.9C21.C7.o2.gp	Method	AAT/GAP
Start	6545	End	7123
GI	15073_1.R1084	Score	320
Exons	6545..6690, 6917..6963, 6994..7123		
GI Descrip.	'5734716/gb|AAD49981.1|AC008075_14 6.0e-24 (AC008075) Simialr to gb_AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]'		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17296	Strand	-
Start	14013	End	14559
Name	OJ990821_50.9C21.C7.o2.np	Method	AAT/NAP
Start	14013	End	14559
GI	4105794	Score	344
Exons	14013..14374, 14486..14559		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17297	Strand	-
Start	19455	End	20225
Name	OJ990821_50.9C21.C7.o3.np	Method	AAT/NAP
Start	19455	End	20159
GI	5734716	Score	328
Exons	19455..19828, 20063..20159		
GI Descrip.	(AC008075) Simialr to gb|AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7

Gene No.	17297	Strand	-
Start	19455	End	20225
Name	OJ990821_50.9C21.C7.o3.gp	Method	AAT/GAP
Start	19594	End	20225
GI	15073_1.R1084	Score	764
Exons	19594..19828, 20063..20225		
GI Descrip.	'5734716/gb|AAD49981.1|AC008075_14 6.0e-24 (AC008075) Simialr to gb_AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]'		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17298	Strand	-
Start	27090	End	30829
Name	OJ990821_50.9C21.C7.o6.gs	Method	GENSCAN
Start	27090	End	27695
GI	none	Score	.93
Exons	27090..27695		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17298	Strand	-
Start	27090	End	30829
Name	OJ990821_50.9C21.C7.o4.gp	Method	AAT/GAP
Start	27375	End	27612
GI	2427559	Score	435
Exons	27375..27612		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17298	Strand	-
Start	27090	End	30829
Name	OJ990821_50.9C21.C7.o4.np	Method	AAT/NAP
Start	27507	End	30829
GI	6721512	Score	78
Exons	27507..27599, 28819..28919, 30806..30829		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17299	Strand	-
Start	31207	End	31752
Name	OJ990821_50.9C21.C7.o8.gs	Method	GENSCAN
Start	31207	End	31752
GI	none	Score	.99
Exons	31207..31752		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-
Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o5.gp	Method	AAT/GAP
Start	32026	End	33279
GI	19002_1.R1084	Score	1423
Exons	32026..32659, 33163..33279		
GI Descrip.	'6006395/emb|CAB56768.1| 1.0e-10 (AJ132096) squamosa promoter binding protein-like 12 [Arabidopsis thaliana] >gi_6006403_emb_CAB56769.1_ (AJ132097) squamosa promoter binding protein-like 12 [Arabidopsis thaliana]'		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-

Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o9.gs	Method	GENSCAN
Start	32057	End	36505
GI	none	Score	.83
Exons	32057..32659, 33163..33318, 33630..33748, 34167..34269, 34503..34775, 34887..35078, 35654..35719, 35859..35913, 36123..36505		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-
Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o6.np	Method	AAT/NAP
Start	32078	End	35156
GI	2244965	Score	526
Exons	32078..32352, 32481..33019, 33089..33318, 33630..33748, 34167..34269, 34503..34775, 34878..35156		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-
Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o7.np	Method	AAT/NAP
Start	32078	End	36493
GI	2244965	Score	591
Exons	32078..32352, 32481..33019, 33089..33318, 33630..33748, 34167..34269, 34503..34775, 34878..35078, 36167..36316, 36349..36493		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-
Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o6.gp	Method	AAT/GAP
Start	34586	End	36231
GI	LIB3434-058-P1-K1-C12	Score	747
Exons	34586..34775, 34887..35078, 36167..36231		
GI Descrip.	'2244965/emb|CAB10386.1| 2.0e-25 (Z97340) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17300	Strand	-
Start	32026	End	36570
Name	OJ990821_50.9C21.C7.o7.gp	Method	AAT/GAP
Start	36062	End	36570
GI	none	Score	441
Exons	36062..36127, 36316..36570		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17301	Strand	-
Start	40448	End	41796
Name	OJ990821_50.9C21.C7.o11.gs	Method	GENSCAN
Start	40448	End	41796
GI	none	Score	.67
Exons	40448..40939, 41110..41796		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-

Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o1.ts	Method	TBLASTX:Soybean
Start	6392	End	20105
GI	none	Score	222
Exons	6392..6688, 6399..6689, 9667..9735, 9796..9837, 9836..9970, 9912..9971, 14067..14372, 14071..14373, 14484..14528, 14491..14547, 19518..19634, 19525..19635, 19650..19826, 19651..19827, 20061..20105		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o2.tm	Method	TBLASTX:Maize
Start	6392	End	20117
GI	none	Score	203
Exons	6392..6568, 6393..6569, 6561..6689, 6563..6688, 6635..6691, 9667..9735, 9790..9837, 9830..9970, 9915..9971, 14058..14144, 14058..14252, 14077..14250, 14244..14372, 14245..14373, 14316..14375, 14484..14552, 14488..14553, 14535..14570, 19518..19643, 19522..19644, 19623..19706, 19624..19704, 19699..19839, 19701..19826, 20061..20117		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o1.tc	Method	TBLASTX:Cress
Start	6401	End	19845
GI	none	Score	232
Exons	6401..6688, 6405..6689, 9667..9735, 9671..9736, 9796..9837, 9836..9970, 9915..9971, 14067..14372, 14071..14373, 14463..14546, 19518..19634, 19525..19641, 19641..19826, 19657..19845		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o1.tw	Method	TBLASTX:Wheat
Start	6434	End	20111
GI	none	Score	308
Exons	6434..6688, 6435..6689, 6919..6966, 6963..7007, 6964..6990, 9787..9837, 9806..9832, 9836..9970, 9912..9971, 10105..10152, 14118..14372, 14119..14373, 14313..14375, 14463..14549, 14488..14535, 14532..14576, 14533..14562, 19569..19643, 19570..19644, 19623..19826, 19624..19839, 20061..20111, 20065..20106		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o4.tm	Method	TBLASTX:Maize
Start	27153	End	27638
GI	none	Score	85
Exons	27153..27344, 27159..27251, 27166..27339, 27348..27569, 27379..27459, 27534..27638, 27567..27614		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-

Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o2.tw	Method	TBLASTX:Wheat
Start	27201	End	27459
GI	none	Score	95
Exons	27201..27344, 27348..27458, 27382..27459		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o5.tm	Method	TBLASTX:Maize
Start	32084	End	32228
GI	none	Score	99
Exons	32084..32209, 32088..32228, 32124..32225		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o2.ts	Method	TBLASTX:Soybean
Start	33660	End	34775
GI	none	Score	64
Exons	33660..33794, 33661..33795, 34168..34269, 34169..34264, 34500..34775, 34503..34655, 34543..34731		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o1.tm	Method	TBLASTX:Maize
Start	34512	End	35073
GI	none	Score	254
Exons	34512..34778, 34518..34775, 34522..34776, 34878..34985, 34884..34982, 34906..34989, 34929..35072, 34986..35072, 34987..35073		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o8.gp	Method	AAT/GAP
Start	42317	End	43058
GI	none	Score	894
Exons	42317..42672, 42926..43058		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o3.tm	Method	TBLASTX:Maize
Start	42537	End	44309
GI	none	Score	133
Exons	42537..42674, 42541..42675, 42926..43162, 42926..43156, 42928..43167, 42928..43167, 43530..43613, 43534..43590, 44125..44304, 44141..44308, 44142..44309, 44144..44269		

Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o12.gs	Method	GENSCAN
Start	42543	End	44776
GI	none	Score	.8

Exons	42543..42729, 42926..43164, 43533..43607, 44143..44307, 44577..44627, 44726..44776		
Seq. No.	8145	Seq. ID	OJ990821_50.9C21.C7
Gene No.	17302	Strand	-
Start	42543	End	44776
Name	OJ990821_50.9C21.C7.o9.gp	Method	AAT/GAP
Start	43571	End	44776
GI	uC-osflcyp085c05b1	Score	749
Exons	43571..43607, 44143..44307, 44386..44493, 44577..44627, 44726..44776		
GI Descrip.	'2131531/pir||S69554 1.0e-08 hypothetical protein YDR496c - yeast (Saccharomyces cerevisiae) >gi_927766 (U33057) Ydr496cp; CAI: 0.25 [Saccharomyces cerevisiae]'		
Seq. No.	8146	Seq. ID	OJ990821_50.9C21.C9
Gene No.	17303	Strand	-
Start	1	End	728
Name	OJ990821_50.9C21.C9.o1.np	Method	AAT/NAP
Start	1	End	728
GI	4680179	Score	199
Exons	1..325, 681..728		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	8146	Seq. ID	OJ990821_50.9C21.C9
Gene No.	17303	Strand	-
Start	1	End	728
Name	OJ990821_50.9C21.C9.o1.gs	Method	GENSCAN
Start	22	End	491
GI	none	Score	.85
Exons	22..324, 465..491		
Seq. No.	8147	Seq. ID	OJ990821_50.9C21.C10
Gene No.	17304	Strand	-
Start	1	End	589
Name	OJ990821_50.9C21.C10.o1.np	Method	AAT/NAP
Start	1	End	589
GI	2498930	Score	677
Exons	1..362, 530..589		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	8147	Seq. ID	OJ990821_50.9C21.C10
Gene No.	17304	Strand	-
Start	1	End	589
Name	OJ990821_50.9C21.C10.o1.gs	Method	GENSCAN
Start	60	End	589
GI	none	Score	.7
Exons	60..362, 530..589		
Seq. No.	8148	Seq. ID	OJ990821_50.9C21.C12
Gene No.	17305	Strand	-
Start	243	End	399
Name	OJ990821_50.9C21.C12.o1.gs	Method	GENSCAN
Start	243	End	399
GI	none	Score	.63
Exons	243..335, 356..399		

Seq. No.	8149	Seq. ID	OJ990821_50.9C21.C13
Gene No.	17306	Strand	-
Start	76	End	463
Name	OJ990821_50.9C21.C13.o1.gs	Method	GENSCAN
Start	76	End	463
GI	none	Score	.77
Exons	76..109, 341..463		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17307	Strand	+
Start	639	End	3248
Name	OJ990531_40.9C03.C1.o1.np	Method	AAT/NAP
Start	639	End	3221
GI	6598797	Score	1597
Exons	639..981, 1791..3221		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17307	Strand	+
Start	639	End	3248
Name	OJ990531_40.9C03.C1.o1.gs	Method	GENSCAN
Start	793	End	3248
GI	none	Score	.91
Exons	793..938, 1556..1631, 1791..3248		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17307	Strand	+
Start	639	End	3248
Name	OJ990531_40.9C03.C1.o1.gp	Method	AAT/GAP
Start	1540	End	2064
GI	2801015	Score	948
Exons	1540..2064		
GI Descrip.	4926866/gb|AAD32946.1|AC007509_1 8.0e-14 (AC007509) putative amp-binding protein [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17308	Strand	+
Start	5431	End	7174
Name	OJ990531_40.9C03.C1.o2.np	Method	AAT/NAP
Start	4400	End	7147
GI	6598797	Score	1709
Exons	4400..4460, 5346..5628, 5720..7147		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17308	Strand	+
Start	5431	End	7174
Name	OJ990531_40.9C03.C1.o2.gp	Method	AAT/GAP
Start	5285	End	5820
GI	uC-osf1cyp171e01b1	Score	870
Exons	5285..5628, 5720..5820		
GI Descrip.	'4926866/gb|AAD32946.1|AC007509_1 1.0e-27 (AC007509) putative amp-binding protein [Arabidopsis thaliana]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17308	Strand	+

Start	5431	End	7174
Name	OJ990531_40.9C03.C1.o2.gs	Method	GENSCAN
Start	5431	End	7174
GI	none	Score	.86
Exons	5431..5628, 5687..7174		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17309	Strand	+
Start	16102	End	16432
Name	OJ990531_40.9C03.C1.o5.gp	Method	AAT/GAP
Start	16102	End	16432
GI	LIB3433-056-P1-K1-H8	Score	551
Exons	16102..16432		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17310	Strand	+
Start	17079	End	17527
Name	OJ990531_40.9C03.C1.o5.gs	Method	GENSCAN
Start	17079	End	17527
GI	none	Score	.49
Exons	17079..17273, 17423..17527		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17311	Strand	+
Start	23509	End	26848
Name	OJ990531_40.9C03.C1.o7.gs	Method	GENSCAN
Start	23509	End	26848
GI	none	Score	.61
Exons	23509..23597, 23821..23875, 24009..24157, 25210..25493, 25596..25882, 26375..26848		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17311	Strand	+
Start	23509	End	26848
Name	OJ990531_40.9C03.C1.o6.gp	Method	AAT/GAP
Start	25183	End	25727
GI	LIB3432-002-P1-K1-B6	Score	846
Exons	25183..25493, 25596..25727		
GI Descrip.	'2264373 4.0e-40 (AC002354) putative NAM/no apical meristem protein [Arabidopsis thaliana]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17311	Strand	+
Start	23509	End	26848
Name	OJ990531_40.9C03.C1.o5.np	Method	AAT/NAP
Start	25337	End	26842
GI	2264373	Score	574
Exons	25337..25493, 25596..25861, 26375..26468, 26507..26842		
GI Descrip.	(AC002354) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17312	Strand	+
Start	27642	End	29643

Name	OJ990531_40.9C03.C1.o7.np	Method	AAT/NAP
Start	27642	End	29643
GI	4680492	Score	140
Exons	27642..27690, 29403..29643		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17313	Strand	+
Start	50659	End	55174
Name	OJ990531_40.9C03.C1.o12.gs	Method	GENSCAN
Start	50659	End	55174
GI	none	Score	.52
Exons	50659..50690, 50776..50874, 50966..51022, 51116..51179, 51992..52289, 53816..53905, 55059..55174		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17314	Strand	+
Start	55693	End	55848
Name	OJ990531_40.9C03.C1.o13.gs	Method	GENSCAN
Start	55693	End	55848
GI	none	Score	.8
Exons	55693..55797, 55828..55848		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17315	Strand	-
Start	6950	End	7411
Name	OJ990531_40.9C03.C1.o3.gp	Method	AAT/GAP
Start	6950	End	7411
GI	39068_1.R1084	Score	912
Exons	6950..7411		
GI Descrip.	'2435522 3.0e-16 (AF024504) contains similarity to other AMP-binding enzymes [Arabidopsis thaliana]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17316	Strand	-
Start	7944	End	10427
Name	OJ990531_40.9C03.C1.o3.gs	Method	GENSCAN
Start	7944	End	10427
GI	none	Score	.95
Exons	7944..7972, 8255..8442, 8535..8655, 9761..10427		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17316	Strand	-
Start	7944	End	10427
Name	OJ990531_40.9C03.C1.o4.gp	Method	AAT/GAP
Start	8268	End	10038
GI	11221_1.R1084	Score	1081
Exons	8268..8442, 8535..8655, 9761..10038		
GI Descrip.	'2558660 2.0e-27 (AC002354) No definition line found [Arabidopsis thaliana]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17316	Strand	-
Start	7944	End	10427
Name	OJ990531_40.9C03.C1.o3.np	Method	AAT/NAP
Start	8369	End	10421
GI	2558660	Score	401

Exons	8369..8485, 8551..8655, 9761..10421		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17317	Strand	-
Start	11288	End	17513
Name	OJ990531_40.9C03.C1.o4.gs	Method	GENSCAN
Start	11288	End	15803
GI	none	Score	.7
Exons	11288..11459, 11549..11623, 11816..11855, 12208..12329, 12604..12729, 14058..14139, 14889..15021, 15161..15257, 15529..15803		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17317	Strand	-
Start	11288	End	17513
Name	OJ990531_40.9C03.C1.o4.np	Method	AAT/NAP
Start	12152	End	17513
GI	6691197	Score	885
Exons	12152..12329, 12604..12729, 14058..14158, 14828..15021, 15161..15252, 15529..15567, 17466..17513		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17318	Strand	-
Start	18190	End	18537
Name	OJ990531_40.9C03.C1.o6.gs	Method	GENSCAN
Start	18190	End	18537
GI	none	Score	.91
Exons	18190..18537		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17319	Strand	-
Start	26629	End	27106
Name	OJ990531_40.9C03.C1.o7.gp	Method	AAT/GAP
Start	26629	End	27106
GI	none	Score	921
Exons	26629..27106		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17320	Strand	-
Start	27641	End	29016
Name	OJ990531_40.9C03.C1.o8.gp	Method	AAT/GAP
Start	27641	End	29016
GI	974_1.R1084	Score	1899
Exons	27641..28280, 28437..28548, 28651..29016		
GI Descrip.	'2109457 1.0e-158 (AF001501) chitinase [Oryza sativa]'		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17320	Strand	-
Start	27641	End	29016
Name	OJ990531_40.9C03.C1.o8.gs	Method	GENSCAN
Start	27902	End	28930
GI	none	Score	.94
Exons	27902..28280, 28437..28548, 28651..28930		
Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1

Gene No.	17320	Strand	-
Start	27641	End	29016
Name	OJ990531_40.9C03.C1.o6.np	Method	AAT/NAP
Start	27905	End	29002
GI	2109457	Score	1238
Exons	27905..28280, 28437..28548, 28651..29002		
GI Descrip.	(AF001501) chitinase [Oryza sativa]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17321	Strand	-
Start	31963	End	38257
Name	OJ990531_40.9C03.C1.o9.gs	Method	GENSCAN
Start	31963	End	38257
GI	none	Score	.8
Exons	31963..32259, 32353..32466, 32551..32742, 32869..33057, 33449..33534, 34389..34494, 34920..35053, 35828..35963, 36059..36373, 36387..36472, 38191..38257		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17321	Strand	-
Start	31963	End	38257
Name	OJ990531_40.9C03.C1.o8.np	Method	AAT/NAP
Start	32020	End	36271
GI	6633851	Score	1184
Exons	32020..32259, 32353..32469, 32551..32669, 32915..33057, 33449..33534, 34389..34494, 34920..35053, 35828..36271		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17321	Strand	-
Start	31963	End	38257
Name	OJ990531_40.9C03.C1.o9.gp	Method	AAT/GAP
Start	32394	End	33492
GI	LIB3434-037-P1-K1-F11	Score	914
Exons	32394..32466, 32551..32742, 32869..33057, 33449..33492		
GI Descrip.	'3080427/emb|CAA18746.1| 6.0e-63 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17322	Strand	-
Start	44367	End	50058
Name	OJ990531_40.9C03.C1.o11.gs	Method	GENSCAN
Start	44367	End	50058
GI	none	Score	.69
Exons	44367..45437, 46829..47005, 47100..47219, 48055..48117, 48564..48615, 48784..48914, 49393..49536, 49618..50058		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	802	End	6910
GI	none	Score	141
Exons	802..927, 1790..1945, 1791..2984, 2108..2521, 2573..2971, 5427..5537, 5431..5616, 5431..5613, 5719..5874, 5720..5881, 5996..6910, 6028..6525, 6598..6888		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o9.tc	Method	TBLASTX:Cress
Start	814	End	5884
GI	none	Score	99
Exons	814..921, 1790..2020, 1791..2024, 5452..5634, 5719..5820, 5720..5884		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o3.tm	Method	TBLASTX:Maize
Start	820	End	6541
GI	none	Score	93
Exons	820..927, 1790..1945, 1791..2009, 2051..2440, 2052..2465, 2475..2615, 5449..5634, 5719..5886, 5720..5884, 5996..6391, 6049..6384, 6361..6534, 6398..6541		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	2138	End	7174
GI	none	Score	967
Exons	2138..2518, 2145..2996, 2570..2959, 2769..2975, 2985..3248, 3020..3247, 6061..6477, 6062..6922, 6449..6580, 6622..6894, 6911..7174, 6934..7173		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o5.tw	Method	TBLASTX:Wheat
Start	2153	End	6249
GI	none	Score	203
Exons	2153..2320, 2154..2324, 6079..6249, 6080..6244		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o4.tw	Method	TBLASTX:Wheat
Start	2475	End	6622
GI	none	Score	223
Exons	2475..2696, 2477..2674, 6398..6622		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o8.tm	Method	TBLASTX:Maize
Start	2682	End	7141
GI	none	Score	96
Exons	2682..2834, 2720..2797, 2831..3046, 2832..2912, 2970..3071, 3069..3230, 3083..3214, 6617..6754, 6628..6753, 6764..6892, 6766..6996, 6767..6997, 6992..7141, 6994..7140		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-

Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o9.ts	Method	TBLASTX:Soybean
Start	3036	End	7189
GI	none	Score	272
Exons	3036..3257, 3038..3247, 6962..7189, 6964..7173		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o12.tm	Method	TBLASTX:Maize
Start	8325	End	9986
GI	none	Score	77
Exons	8325..8441, 8327..8440, 8349..8441, 8531..8620, 8531..8611, 8551..8637, 8606..8656, 8613..8657, 9762..9812, 9800..9958, 9800..9958, 9802..9963, 9804..9974, 9804..9986		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o4.ts	Method	TBLASTX:Soybean
Start	8543	End	10337
GI	none	Score	168
Exons	8543..8611, 9765..10337, 9769..10281		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o8.tc	Method	TBLASTX:Cress
Start	9753	End	10319
GI	none	Score	63
Exons	9753..9848, 9879..10259, 9922..10035, 10102..10248, 10266..10319		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o13.tm	Method	TBLASTX:Maize
Start	10119	End	10317
GI	none	Score	90
Exons	10119..10238, 10132..10239, 10230..10316, 10231..10317		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o11.ts	Method	TBLASTX:Soybean
Start	11354	End	11628
GI	none	Score	112
Exons	11354..11458, 11355..11459, 11548..11628, 11582..11623		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o11.tm	Method	TBLASTX:Maize
Start	11369	End	11643
GI	none	Score	120
Exons	11369..11458, 11370..11459, 11373..11459, 11544..11624, 11548..11643, 11548..11643		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o9.tm	Method	TBLASTX:Maize
Start	12206	End	14338
GI	none	Score	126
Exons	12206..12289, 12207..12314, 12216..12290, 12274..12330, 12281..12328, 12283..12330, 12603..12731, 12603..12728, 12604..12759, 12604..12729, 12817..12903, 12818..12904, 12821..12904, 14039..14143, 14058..14144, 14059..14145, 14060..14143, 14277..14336, 14303..14338		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o6.tc	Method	TBLASTX:Cress
Start	12221	End	14143
GI	none	Score	165
Exons	12221..12328, 12222..12329, 12222..12329, 12223..12330, 12223..12330, 12224..12331, 12603..12728, 12604..12729, 12626..12739, 12817..12903, 12818..12904, 12822..12911, 14054..14143, 14060..14143		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o10.tm	Method	TBLASTX:Maize
Start	14840	End	15249
GI	none	Score	206
Exons	14840..15022, 14844..15023, 14845..15024, 15132..15248, 15147..15242, 15163..15249		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o12.ts	Method	TBLASTX:Soybean
Start	18178	End	18435
GI	none	Score	122
Exons	18178..18315, 18179..18280, 18263..18322, 18292..18435		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	25216	End	36385
GI	none	Score	47
Exons	25216..25260, 25246..25284, 35823..35963, 35824..35964, 36057..36209, 36057..36155, 36062..36292, 36290..36385, 36291..36374		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o3.ts	Method	TBLASTX:Soybean
Start	25334	End	26463
GI	none	Score	222
Exons	25334..25495, 25336..25518, 25594..25833, 25595..25846,		

26375..26461, 26377..26463

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o2.tc	Method	TBLASTX:Cress
Start	25345	End	25780
GI	none	Score	207
Exons	25345..25494, 25352..25495, 25594..25776, 25595..25780		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o6.tm	Method	TBLASTX:Maize
Start	25382	End	26431
GI	none	Score	132
Exons	25382..25492, 25423..25491, 25607..25645, 25609..25644, 25646..25930, 25654..25833, 25733..25903, 26378..26431		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o2.tw	Method	TBLASTX:Wheat
Start	25607	End	25840
GI	none	Score	269
Exons	25607..25633, 25609..25719, 25610..25840, 25748..25831, 25756..25833		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o4.tm	Method	TBLASTX:Maize
Start	27893	End	28876
GI	none	Score	56
Exons	27893..27967, 27908..28291, 27909..28007, 28003..28038, 28043..28192, 28077..28286, 28078..28287, 28356..28397, 28431..28550, 28436..28555, 28437..28556, 28649..28852, 28650..28673, 28664..28876		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o4.tc	Method	TBLASTX:Cress
Start	27905	End	28777
GI	none	Score	96
Exons	27905..28000, 28022..28276, 28040..28180, 28077..28259, 28439..28468, 28443..28469, 28478..28555, 28482..28556, 28649..28777, 28650..28673		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o6.ts	Method	TBLASTX:Soybean
Start	27914	End	28283
GI	none	Score	184
Exons	27914..28012, 28022..28282, 28077..28283		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o10.ts	Method	TBLASTX:Soybean
Start	28439	End	28852
GI	none	Score	77
Exons	28439..28468, 28488..28550, 28650..28775, 28781..28852	28490..28549, 28628..28786,	

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o2.ts	Method	TBLASTX:Soybean
Start	31994	End	35027
GI	none	Score	258
Exons	31994..32161, 32026..32262, 32347..32463, 32353..32460, 32552..32650, 32710..32742, 32867..33091, 33447..33518, 34385..34492, 34387..34497,	32027..32260, 32062..32262, 32366..32467, 32545..32649, 32711..32743, 32866..33063, 33449..33538, 33456..33536, 34387..34506, 34920..35027	

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	32089	End	35054
GI	none	Score	77
Exons	32089..32175, 32126..32176, 32187..32243, 32188..32247, 32354..32467, 32357..32467, 32549..32650, 32558..32653, 32710..32745, 32857..33063, 33452..33538, 33453..33536, 34387..34506, 34902..35036, 34921..35037, 34922..35038	32127..32183, 32186..32248, 32246..32263, 32353..32460, 32358..32468, 32545..32649, 32698..32745, 32699..32743, 32861..33058, 33447..33521, 34383..34496, 34387..34497, 34919..35035, 34920..35054,	

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o7.tc	Method	TBLASTX:Cress
Start	32119	End	35000
GI	none	Score	128
Exons	32119..32262, 32126..32263, 32354..32467, 32560..32649, 32885..33058, 33449..33538, 34387..34506, 34408..34497,	32131..32265, 32353..32460, 32561..32644, 32866..33063, 33450..33536, 34385..34492, 34911..35000	

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o3.tc	Method	TBLASTX:Cress
Start	35004	End	36286
GI	none	Score	122
Exons	35004..35060, 35791..35964, 36062..36127, 36119..36286,	35823..35963, 36057..36122, 36135..36191	

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1

Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o5.ts	Method	TBLASTX:Soybean
Start	35823	End	36247
GI	none	Score	119
Exons	35823..35963, 35824..35964, 36057..36185, 36060..36146, 36062..36211, 36062..36247		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o3.tw	Method	TBLASTX:Wheat
Start	35844	End	36253
GI	none	Score	112
Exons	35844..35963, 36062..36112, 36137..36253		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o7.tm	Method	TBLASTX:Maize
Start	50770	End	51461
GI	none	Score	151
Exons	50770..50877, 50771..50869, 50785..50877, 50963..51022, 50964..51023, 51117..51176, 51131..51175, 51250..51456, 51250..51429, 51252..51461		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o5.tc	Method	TBLASTX:Cress
Start	50777	End	51357
GI	none	Score	156
Exons	50777..50869, 50785..50874, 50966..51022, 50967..51023, 51102..51173, 51104..51175, 51105..51176, 51250..51357, 51252..51356		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o8.ts	Method	TBLASTX:Soybean
Start	50777	End	51354
GI	none	Score	143
Exons	50777..50869, 50782..50874, 50967..51023, 51105..51176, 51114..51176, 51121..51180, 51250..51354, 51251..51340, 51252..51353		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o5.tm	Method	TBLASTX:Maize
Start	56562	End	57942
GI	none	Score	203
Exons	56562..56747, 56566..56748, 56605..56853, 56609..56872, 56959..57015, 56961..57014, 57015..57074, 57044..57073, 57351..57533, 57407..57466, 57433..57531, 57438..57536, 57506..57550, 57617..57670, 57636..57752, 57852..57926, 57859..57942		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	56597	End	56779
GI	none	Score	259
Exons	56597..56677, 56599..56778, 56600..56779		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o14.gs	Method	GENSCAN
Start	56602	End	58058
GI	none	Score	.86
Exons	56602..56880, 56940..57072, 57352..57530, 57638..57750, 57860..58058		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o7.ts	Method	TBLASTX:Soybean
Start	56602	End	57749
GI	none	Score	70
Exons	56602..56715, 56621..56710, 56713..56853, 56720..56884, 56937..57074, 57351..57533, 57433..57528, 57635..57670, 57648..57722, 57705..57749		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o9.np	Method	AAT/NAP
Start	56605	End	57983
GI	4539348	Score	609
Exons	56605..56850, 56940..57072, 57352..57530, 57638..57750, 57860..57983		
GI Descrip.	(AL035539) putative pollen allergen [Arabidopsis thaliana]		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o10.tc	Method	TBLASTX:Cress
Start	56729	End	57074
GI	none	Score	69
Exons	56729..56845, 56731..56844, 56937..56996, 57006..57074		

Seq. No.	8150	Seq. ID	OJ990531_40.9C03.C1
Gene No.	17323	Strand	-
Start	56602	End	58058
Name	OJ990531_40.9C03.C1.o11.gp	Method	AAT/GAP
Start	56785	End	57725
GI	17663_1.R1084	Score	801
Exons	56785..56850, 56940..57072, 57352..57530, 57638..57725		
GI Descrip.	'4539348/emb|CAB37496.1| 2.0e-17 (AL035539) putative pollen allergen [Arabidopsis thaliana]'		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2

Gene No.	17324	Strand	+
Start	12460	End	12896
Name	OJ990531_40.9C03.C2.o2.np	Method	AAT/NAP
Start	12433	End	12896
GI	4102582	Score	189
Exons	12433..12705, 12742..12896		
GI Descrip.	(AF013115) CAO [Arabidopsis thaliana]		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17324	Strand	+
Start	12460	End	12896
Name	OJ990531_40.9C03.C2.o4.gs	Method	GENSCAN
Start	12460	End	12842
GI	none	Score	.86
Exons	12460..12842		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17324	Strand	+
Start	12460	End	12896
Name	OJ990531_40.9C03.C2.o3.gp	Method	AAT/GAP
Start	12490	End	12896
GI	LIB3431-036-P1-K1-D4	Score	763
Exons	12490..12896		
GI Descrip.	'2832629/emb|CAA16758.1| 7.0e-14 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]'		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o1.gp	Method	AAT/GAP
Start	5333	End	5936
GI	3761984	Score	881
Exons	5333..5692, 5832..5936		
GI Descrip.	2832629/emb|CAA16758.1| 7.0e-14 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	5574	End	8188
GI	none	Score	118
Exons	5574..5696, 5579..5695, 5826..5903, 5826..5933, 5830..5931, 6018..6092, 6020..6055, 6193..6342, 6203..6343, 7712..8056, 7713..7985, 8018..8188, 8024..8188		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o2.gs	Method	GENSCAN
Start	5579	End	8941
GI	none	Score	.67
Exons	5579..5692, 5832..5934, 6021..6088, 6196..6381, 6485..6543, 7714..8941		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-

Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	5584	End	6334
GI	none	Score	145
Exons	5584..5694, 5585..5695, 5586..5696, 5826..5933, 5830..5934, 6015..6089, 6019..6090, 6019..6093, 6021..6122, 6146..6334, 6193..6333		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o1.np	Method	AAT/NAP
Start	5585	End	8911
GI	515503	Score	714
Exons	5585..5692, 5832..5934, 6021..6088, 6196..6341, 7714..8911		
GI Descrip.	(U12013) 4-coumarate-CoA ligase enzyme [Pinus taeda] gi|1143308 (U39404) 4-coumarate:CoA ligase [Pinus taeda] gi|1143310 (U39405) 4-coumarate:CoA ligase [Pinus taeda]		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	5612	End	8011
GI	none	Score	107
Exons	5612..5695, 5826..5930, 5830..5931, 6020..6052, 6021..6092, 6193..6342, 6203..6343, 7712..8011, 7713..7988		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	7697	End	8008
GI	none	Score	66
Exons	7697..7843, 7698..7847, 7874..8008, 7884..7979		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	8015	End	8243
GI	none	Score	320
Exons	8015..8242, 8016..8243		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	8130	End	8917
GI	none	Score	78
Exons	8130..8240, 8132..8248, 8247..8417, 8258..8476, 8483..8698, 8490..8693, 8729..8842, 8732..8917		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o1.ts	Method	TBLASTX:Soybean

Start	8189	End	8921
GI	none	Score	170
Exons	8189..8209, 8217..8420, 8226..8372, 8228..8485, 8483..8692, 8496..8684, 8696..8830, 8732..8920, 8733..8921		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o2.gp	Method	AAT/GAP
Start	8587	End	9030
GI	1631758	Score	838
Exons	8587..9030		
GI Descrip.	2832629/emb|CAA16758.1| 1.0e-09 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17325	Strand	-
Start	5579	End	9030
Name	OJ990531_40.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	8615	End	8915
GI	none	Score	290
Exons	8615..8914, 8616..8915		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17326	Strand	
Start	12460	End	12869
Name	OJ990531_40.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	12460	End	12854
GI	none	Score	497
Exons	12460..12852, 12468..12485, 12549..12608, 12643..12744, 12672..12854		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17326	Strand	
Start	12460	End	12869
Name	OJ990531_40.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	12568	End	12869
GI	none	Score	76
Exons	12568..12699, 12738..12869, 12739..12867		

Seq. No.	8151	Seq. ID	OJ990531_40.9C03.C2
Gene No.	17326	Strand	
Start	12460	End	12869
Name	OJ990531_40.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	12598	End	12869
GI	none	Score	59
Exons	12598..12693, 12741..12869, 12742..12867		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17327	Strand	+
Start	110	End	383
Name	OJ990531_40.9C03.C3.o1.gs	Method	GENSCAN
Start	110	End	383
GI	none	Score	.78
Exons	110..383		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3

Gene No.	17328	Strand	+
Start	7122	End	7576
Name	OJ990531_40.9C03.C3.o2.gp	Method	AAT/GAP
Start	7122	End	7576
GI	36280_1.R1084	Score	846
Exons	7122..7576		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17329	Strand	+
Start	9270	End	9705
Name	OJ990531_40.9C03.C3.o3.gp	Method	AAT/GAP
Start	9270	End	9705
GI	uC-osf1M2020118f01a1	Score	789
Exons	9270..9705		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17330	Strand	+
Start	13223	End	26204
Name	OJ990531_40.9C03.C3.o5.gs	Method	GENSCAN
Start	13223	End	26156
GI	none	Score	.74
Exons	13223..13390, 13425..13542, 13747..13856, 13967..14051, 14366..14476, 14740..14795, 15208..15294, 15390..15526, 15897..16032, 16732..16791, 17143..17204, 17952..18264, 18557..18694, 19418..19548, 20191..20290, 21319..21443, 21690..22060, 23651..23791, 23867..24232, 24269..24391, 24500..24708, 24809..24922, 24991..25049, 25221..25249, 25758..25883, 26011..26156		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17330	Strand	+
Start	13223	End	26204
Name	OJ990531_40.9C03.C3.o2.np	Method	AAT/NAP
Start	14779	End	16010
GI	4914379	Score	268
Exons	14779..14826, 15010..15114, 15214..15372, 15420..15526, 15639..15731, 15906..16010		
GI Descrip.	(AC007584) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17330	Strand	+
Start	13223	End	26204
Name	OJ990531_40.9C03.C3.o3.np	Method	AAT/NAP
Start	21841	End	26156
GI	4584342	Score	1197
Exons	21841..22060, 23651..24393, 24514..24708, 24809..24922, 24991..25049, 25771..25883, 26011..26156		
GI Descrip.	(AC007127) putative ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17330	Strand	+
Start	13223	End	26204
Name	OJ990531_40.9C03.C3.o5.gp	Method	AAT/GAP
Start	24560	End	26204
GI	7242_1.R1084	Score	1068
Exons	24560..24708, 24809..24922, 24991..25049, 25221..25249, 25800..25883, 26011..26204		
GI Descrip.	'4584342/gb|AAD25137.1|AC007127_3 1.0e-37 (AC007127) putative ubiquitin protein [Arabidopsis thaliana]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17331	Strand	+
Start	26944	End	41652
Name	OJ990531_40.9C03.C3.o6.gs	Method	GENSCAN
Start	26944	End	41566
GI	none	Score	.69
Exons	26944..27153, 27256..27371, 27584..27666, 28153..29297, 29667..29734, 29847..29940, 30062..30117, 31296..31442, 32083..32206, 37162..37629, 37674..38111, 38336..38383, 38464..38710, 38765..39493, 39878..40762, 40820..40848, 41274..41373, 41556..41566		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17331	Strand	+
Start	26944	End	41652
Name	OJ990531_40.9C03.C3.o6.gp	Method	AAT/GAP
Start	27397	End	30407
GI	82_2.R1084	Score	3522
Exons	27397..27473, 27570..27666, 28153..29297, 29667..29734, 29847..29940, 30062..30407		
GI Descrip.	'3868756/dbj|BAA34205| 0.0e+00 (D86611) catalase [Oryza sativa]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17331	Strand	+
Start	26944	End	41652
Name	OJ990531_40.9C03.C3.o4.np	Method	AAT/NAP
Start	27570	End	30118
GI	3868756	Score	2540
Exons	27570..27666, 28153..29297, 29667..29734, 29847..29940, 30062..30118		
GI Descrip.	(D86611) catalase [Oryza sativa]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17331	Strand	+
Start	26944	End	41652
Name	OJ990531_40.9C03.C3.o5.np	Method	AAT/NAP
Start	37682	End	40758
GI	4539342	Score	964
Exons	37682..38111, 38413..38563, 38603..39080, 39372..39493, 39878..40045, 40105..40313, 40395..40758		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17331	Strand	+
Start	26944	End	41652

Name	OJ990531_40.9C03.C3.o8.gp	Method	AAT/GAP
Start	40641	End	41652
GI	73528_1.R1084	Score	1671
Exons	40641..41373, 41468..41652		
GI Descrip.	'2832629/emb|CAA16758.1| 1.0e-09 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17332	Strand	-
Start	1101	End	2616
Name	OJ990531_40.9C03.C3.o2.gs	Method	GENSCAN
Start	1101	End	2616
GI	none	Score	.9
Exons	1101..1112, 1577..1696, 2050..2616		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17333	Strand	-
Start	4743	End	5814
Name	OJ990531_40.9C03.C3.o1.gp	Method	AAT/GAP
Start	4743	End	5814
GI	11001_1.R1084	Score	1216
Exons	4743..5288, 5656..5814		
GI Descrip.	'3367594/emb|CAA20046| 2.0e-14 (AL031135) putative protein [Arabidopsis thaliana]'		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17334	Strand	-
Start	6745	End	11550
Name	OJ990531_40.9C03.C3.o4.gs	Method	GENSCAN
Start	6745	End	11550
GI	none	Score	.46
Exons	6745..7341, 7360..10115, 10374..11550		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17334	Strand	-
Start	6745	End	11550
Name	OJ990531_40.9C03.C3.o1.np	Method	AAT/NAP
Start	6748	End	10941
GI	6539558	Score	7033
Exons	6748..10941		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17335	Strand	-
Start	12335	End	12652
Name	OJ990531_40.9C03.C3.o4.gp	Method	AAT/GAP
Start	12335	End	12652
GI	702422	Score	418
Exons	12335..12398, 12488..12652		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o9.ts	Method	TBLASTX:Soybean
Start	74	End	320
GI	none	Score	185

Exons	74..154, 75..221, 222..320, 233..319		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o18.tm	Method	TBLASTX:Maize
Start	147	End	335
GI	none	Score	92
Exons	147..236, 153..200, 213..332, 233..331, 237..335		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o12.tm	Method	TBLASTX:Maize
Start	5999	End	12707
GI	none	Score	186
Exons	5999..6136, 6000..6137, 6006..6140, 12265..12399, 12285..12419, 12294..12404, 12442..12693, 12480..12707, 12483..12707		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o5.ts	Method	TBLASTX:Soybean
Start	6772	End	7422
GI	none	Score	49
Exons	6772..7005, 6905..6979, 7060..7248, 7088..7249, 7261..7422		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	6781	End	7443
GI	none	Score	91
Exons	6781..6999, 6815..6979, 7066..7146, 7070..7147, 7153..7443, 7154..7249, 7271..7381		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	6782	End	7171
GI	none	Score	233
Exons	6782..6982, 6782..7168, 6784..7089, 6784..7170, 6933..7109, 7064..7171		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o7.tw	Method	TBLASTX:Wheat
Start	6811	End	7230
GI	none	Score	79
Exons	6811..7014, 6823..7005, 7060..7230, 7070..7147		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o20.tm	Method	TBLASTX:Maize

Start	7177	End	7356
GI	none	Score	119
Exons	7177..7356, 7178..7354		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o9.tw	Method	TBLASTX:Wheat
Start	7264	End	7575
GI	none	Score	64
Exons	7264..7443, 7468..7575		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	7358	End	7749
GI	none	Score	476
Exons	7358..7747, 7360..7749, 7360..7749		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	7576	End	8131
GI	none	Score	66
Exons	7576..7800, 7786..8130, 7790..7975, 7810..7977, 8042..8131		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	7801	End	8298
GI	5509260	Score	130
Exons	7801..8298, 7820..7978, 8042..8251		
GI Descrip.	-		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o7.tc	Method	TBLASTX:Cress
Start	7912	End	8176
GI	none	Score	87
Exons	7912..8175, 8045..8176		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o8.tm	Method	TBLASTX:Maize
Start	7951	End	8259
GI	none	Score	185
Exons	7951..8259, 7952..8257		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o4.ts	Method	TBLASTX:Soybean

Start	8738	End	9228
GI	none	Score	50
Exons	8738..8896, 8749..8895, 8920..9228, 8933..9223		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o6.tc	Method	TBLASTX:Cress
Start	8773	End	9213
GI	none	Score	60
Exons	8773..8895, 8917..9213, 8927..9073, 9131..9163		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	8833	End	9259
GI	none	Score	637
Exons	8833..9255, 8834..9259		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o4.tw	Method	TBLASTX:Wheat
Start	8914	End	9462
GI	none	Score	42
Exons	8914..8991, 8924..8995, 8998..9264, 9098..9247, 9322..9462		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o13.ts	Method	TBLASTX:Soybean
Start	9322	End	9597
GI	none	Score	191
Exons	9322..9597, 9421..9501		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	9535	End	9988
GI	none	Score	56
Exons	9535..9627, 9535..9615, 9607..9984, 9622..9987, 9683..9988		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o11.tm	Method	TBLASTX:Maize
Start	9658	End	9898
GI	none	Score	262
Exons	9658..9897, 9659..9898		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	9913	End	10629

GI	none	Score	292
Exons	9913..10161, 9913..10164, 9918..10166, 9993..10172, 10144..10275, 10155..10346, 10155..10334, 10349..10372, 10351..10422, 10354..10629, 10355..10612		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o9.tm	Method	TBLASTX:Maize
Start	10863	End	11155
GI	none	Score	75
Exons	10863..10934, 10864..11154, 10864..11154, 10940..11155		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o14.tm	Method	TBLASTX:Maize
Start	12708	End	13338
GI	none	Score	64
Exons	12708..12758, 13036..13233, 13064..13234, 13288..13338, 13289..13327		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o14.ts	Method	TBLASTX:Soybean
Start	13048	End	13204
GI	none	Score	132
Exons	13048..13203, 13064..13204		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o10.tc	Method	TBLASTX:Cress
Start	13066	End	13225
GI	none	Score	132
Exons	13066..13221, 13067..13225		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	13882	End	28331
GI	none	Score	54
Exons	13882..13926, 14057..14095, 27572..27667, 27573..27668, 28151..28330, 28152..28331		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o10.tm	Method	TBLASTX:Maize
Start	16518	End	18276
GI	none	Score	111
Exons	16518..16622, 16518..16622, 16519..16623, 16525..16623, 16714..16791, 16726..16791, 17118..17204, 17119..17205, 17952..18266, 17953..18276, 17959..18276		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o19.tm	Method	TBLASTX:Maize
Start	18553	End	18839
GI	none	Score	120
Exons	18553..18762, 18557..18763, 18579..18767, 18598..18759, 18783..18839		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o16.tm	Method	TBLASTX:Maize
Start	21883	End	23728
GI	none	Score	248
Exons	21883..22044, 21885..22061, 21886..22089, 23650..23688, 23654..23728		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o11.tc	Method	TBLASTX:Cress
Start	21889	End	22062
GI	none	Score	192
Exons	21889..22062, 21892..22044, 21894..22061		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	21889	End	24222
GI	none	Score	179
Exons	21889..22089, 21894..22061, 23650..23688, 23808..23858, 23862..24221, 23863..24222		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	23906	End	26383
GI	none	Score	106
Exons	23906..24094, 23907..24002, 23908..24387, 23910..24380, 23929..24066, 24140..24400, 24492..24605, 24526..24609, 24579..24707, 24597..24710, 24598..24723, 24631..24711, 24806..24922, 24806..24922, 24989..25045, 24990..25022, 24990..25046, 25016..25051, 25797..25868, 25797..25883, 25798..25878, 26005..26172, 26010..26183, 26012..26191, 26016..26174, 26027..26179, 26215..26238, 26215..26238, 26347..26382, 26351..26383		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o8.tc	Method	TBLASTX:Cress
Start	23935	End	26158
GI	none	Score	101
Exons	23935..24066, 24604..24723, 24631..24723, 24806..24922,		

24808..24921, 26010..26153, 26054..26158

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o10.ts	Method	TBLASTX:Soybean
Start	24827	End	26185
GI	none	Score	80
Exons	24827..24922, 24862..24921, 24990..25040, 26013..26177, 26027..26185		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o8.tw	Method	TBLASTX:Wheat
Start	26010	End	26166
GI	none	Score	210
Exons	26010..26153, 26012..26158, 26014..26166, 26030..26158		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	27420	End	30159
GI	none	Score	44
Exons	27420..27473, 27454..27471, 27567..27668, 27569..27667, 28151..29296, 28152..29306, 29648..29734, 29652..29735, 29680..29736, 29832..29936, 29845..29952, 29845..29946, 30059..30145, 30064..30159		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	27436	End	30127
GI	none	Score	43
Exons	27436..27471, 27567..27668, 27572..27667, 28151..29110, 28152..29111, 29106..29306, 29171..29314, 29651..29734, 29652..29735, 29844..29951, 29845..29952, 30059..30127, 30061..30117		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	27448	End	30121
GI	none	Score	43
Exons	27448..27474, 27454..27471, 27567..27668, 27572..27667, 28151..29128, 28152..29306, 29171..29314, 29651..29734, 29652..29735, 29845..29952, 29845..29946, 30059..30121		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	28470	End	29278
GI	none	Score	1181

Exons	28470..29276, 28472..29128, 29171..29278		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	37695	End	38111
GI	none	Score	386
Exons	37695..38111, 37718..37777, 37817..37924, 37985..38104		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o15.tm	Method	TBLASTX:Maize
Start	37698	End	37967
GI	none	Score	282
Exons	37698..37967, 37704..37835, 37712..37924		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o6.ts	Method	TBLASTX:Soybean
Start	37707	End	38020
GI	none	Score	306
Exons	37707..38012, 37817..38020		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	37973	End	38801
GI	none	Score	199
Exons	37973..38128, 37974..38111, 37979..38113, 38330..38386, 38330..38389, 38334..38399, 38455..38523, 38460..38525, 38461..38526, 38526..38801, 38527..38799, 38673..38801		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o7.ts	Method	TBLASTX:Soybean
Start	38461	End	38877
GI	none	Score	117
Exons	38461..38568, 38496..38570, 38614..38877, 38619..38876		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o5.tc	Method	TBLASTX:Cress
Start	38674	End	38969
GI	none	Score	202
Exons	38674..38856, 38682..38840, 38859..38969, 38860..38967		
Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o17.tm	Method	TBLASTX:Maize
Start	38947	End	40062

GI	none	Score	69
Exons	38947..39036, 39399..39506, 39400..39492, 39876..40007, 39877..40062, 39877..40053		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o12.ts	Method	TBLASTX:Soybean
Start	39876	End	40011
GI	none	Score	195
Exons	39876..40010, 39877..40011		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o11.ts	Method	TBLASTX:Soybean
Start	40495	End	40701
GI	none	Score	200
Exons	40495..40701, 40599..40694		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o9.tc	Method	TBLASTX:Cress
Start	40573	End	40776
GI	none	Score	199
Exons	40573..40776, 40599..40772		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o6.np	Method	AAT/NAP
Start	42356	End	44626
GI	4584345	Score	582
Exons	42356..42777, 43531..43654, 43748..43890, 44301..44626		
GI Descrip.	(AC007127) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o7.gs	Method	GENSCAN
Start	42374	End	43887
GI	none	Score	.79
Exons	42374..42777, 43531..43887		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	42626	End	43870
GI	none	Score	86
Exons	42626..42781, 42651..42779, 43529..43654, 43530..43655, 43742..43849, 43772..43870		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626

Name	OJ990531_40.9C03.C3.o13.tm	Method	TBLASTX:Maize
Start	42656	End	43880
GI	none	Score	63
Exons	42656..42748, 42656..42739, 42743..42781, 42744..42779, 43529..43654, 43530..43652, 43752..43880, 43769..43873		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	42698	End	43873
GI	none	Score	124
Exons	42698..42781, 43496..43666, 43518..43655, 43772..43873		

Seq. No.	8152	Seq. ID	OJ990531_40.9C03.C3
Gene No.	17336	Strand	-
Start	42374	End	44626
Name	OJ990531_40.9C03.C3.o8.ts	Method	TBLASTX:Soybean
Start	42713	End	43876
GI	none	Score	136
Exons	42713..42781, 43529..43666, 43530..43655, 43746..43817, 43769..43876		

Seq. No.	8153	Seq. ID	OJ990531_43.9C03.C1
Gene No.	17337	Strand	+
Start	1	End	738
Name	OJ990531_43.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6465806	Score	78
Exons	1..154, 542..738		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	8153	Seq. ID	OJ990531_43.9C03.C1
Gene No.	17337	Strand	+
Start	1	End	738
Name	OJ990531_43.9C03.C1.o1.gs	Method	GENSCAN
Start	80	End	156
GI	none	Score	.65
Exons	80..156		

Seq. No.	8154	Seq. ID	OJ990531_43.9C03.C2
Gene No.	17338	Strand	-
Start	1	End	1925
Name	OJ990531_43.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	1783
GI	6093778	Score	237
Exons	1..303, 427..473, 583..647, 1567..1643, 1743..1783		
GI Descrip.	PROTEASOME COMPONENT C3 (MACROPAIN SUBUNIT C3) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C3) gi|2511574|emb|CAA73619.1| (Y13176) multicatalytic endopeptidase [Arabidopsis thaliana] gi|3421075 (AF043520) 20S proteasome subunit PAB1 [Arabidopsis thaliana] gi|4966368|gb|AAD34699.1|AC006341_27 (AC006341) Identical to gb|Y13176 Arabidopsis thaliana mRNA for proteaso		

Seq. No.	8154	Seq. ID	OJ990531_43.9C03.C2
Gene No.	17338	Strand	-

Start	1	End	1925
Name	OJ990531_43.9C03.C2.o1.gp	Method	AAT/GAP
Start	427	End	1925
GI	20015_1.R1084	Score	619
Exons	427..473, 583..647, 1567..1643, 1743..1925		
GI Descrip.	'2570505 1.0e-119 (AF022735) proteasome component [Oryza sativa]'		

Seq. No.	8154	Seq. ID	OJ990531_43.9C03.C2
Gene No.	17338	Strand	-
Start	1	End	1925
Name	OJ990531_43.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	427	End	1791
GI	none	Score	52
Exons	427..462, 427..480, 428..481, 429..482, 553..648, 554..649, 582..650, 1547..1645, 1559..1645, 1563..1649, 1743..1784, 1743..1790, 1744..1791		

Seq. No.	8154	Seq. ID	OJ990531_43.9C03.C2
Gene No.	17338	Strand	-
Start	1	End	1925
Name	OJ990531_43.9C03.C2.o1.gs	Method	GENSCAN
Start	583	End	1783
GI	none	Score	.85
Exons	583..647, 1567..1643, 1743..1783		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17339	Strand	+
Start	1	End	3562
Name	OJ990531_43.9C03.C3.o1.gp	Method	AAT/GAP
Start	1	End	3562
GI	7786_1.R1084	Score	1179
Exons	1..47, 704..750, 1457..1576, 1667..1795, 2100..2229, 3381..3562		
GI Descrip.	'3915186/sp|O60015|UBCX_PICAN 7.0e-27 UBIQUITIN-CONJUGATING ENZYME E2-21 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PEROXIN-4) >gi_3128447 (AF061604) ubiquitin-conjugating enzyme homolog peroxin 4 [Pichia angusta]'		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17339	Strand	+
Start	1	End	3562
Name	OJ990531_43.9C03.C3.o1.gs	Method	GENSCAN
Start	187	End	2336
GI	none	Score	.74
Exons	187..351, 1321..1576, 1667..1879, 2100..2336		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17339	Strand	+
Start	1	End	3562
Name	OJ990531_43.9C03.C3.o1.np	Method	AAT/NAP
Start	1454	End	2489
GI	5381319	Score	184
Exons	1454..1576, 1667..1792, 2100..2264, 2446..2489		
GI Descrip.	(AF091621) ubiquitin-conjugating enzyme E2 [Catharanthus roseus]		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17340	Strand	+

Start	21481	End	21578
Name	OJ990531_43.9C03.C3.o5.gp	Method	AAT/GAP
Start	21481	End	21578
GI	2702_1.R1084	Score	196
Exons	21481..21578		
GI Descrip.	'5002357/gb|AAD37435.1|AF150957_2 1.0e-34 (AF150957) heat-shock protein ClpP [Azospirillum brasilense]'		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17341	Strand	-
Start	3927	End	11079
Name	OJ990531_43.9C03.C3.o2.gp	Method	AAT/GAP
Start	3927	End	5226
GI	4481_1.R1084	Score	1622
Exons	3927..4274, 4351..4456, 4565..4657, 4752..4888, 4980..5157, 5206..5226		
GI Descrip.	'2493493/sp|P55747|CP21_HORVU 2.0e-56 SERINE CARBOXYPEPTIDASE II-1 PRECURSOR (CP-MII.1) >gi_619352_bbs_153538 CP-MII.1=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 324 aa] >gi_6093206_emb_CAB58992.1_ (X78876) serine carboxypeptidase II-1 [Hordeum vulgare]'		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17341	Strand	-
Start	3927	End	11079
Name	OJ990531_43.9C03.C3.o2.gs	Method	GENSCAN
Start	4122	End	5645
GI	none	Score	.83
Exons	4122..4325, 4351..4456, 4565..4657, 4752..4888, 4980..5276, 5362..5450, 5543..5645		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17341	Strand	-
Start	3927	End	11079
Name	OJ990531_43.9C03.C3.o2.np	Method	AAT/NAP
Start	4131	End	11079
GI	2443888	Score	891
Exons	4131..4256, 4351..4456, 4565..4660, 4752..4871, 4998..5276, 5323..5450, 5543..5635, 5738..5833, 5959..6066, 10809..11079		
GI Descrip.	(AC002294) similar to serine carboxypeptidases [Arabidopsis thaliana]		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	1454	End	2176
GI	none	Score	199
Exons	1454..1576, 1455..1577, 1456..1575, 1491..1577, 1492..1578, 1666..1794, 1667..1795, 2053..2160, 2076..2174, 2093..2176, 2093..2176		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	1454	End	3466

GI	none	Score	195
Exons	1454..1576, 1455..1577, 1456..1584, 1456..1575, 1634..1795, 1666..1794, 1671..1796, 2061..2234, 2082..2228, 2093..2230, 3368..3466, 3373..3465		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	1454	End	3541
GI	none	Score	207
Exons	1454..1576, 1456..1584, 1456..1575, 1520..1588, 1666..1794, 1667..1795, 2061..2234, 2075..2233, 3376..3468, 3378..3467, 3379..3468, 3380..3472, 3380..3475, 3488..3541		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	4140	End	10998
GI	none	Score	118
Exons	4140..4277, 4141..4281, 4348..4458, 4349..4459, 4567..4662, 4571..4693, 4746..4898, 4754..4885, 5043..5150, 5068..5169, 5154..5276, 5188..5277, 5330..5452, 5359..5454, 5538..5636, 5542..5649, 5698..5835, 5721..5831, 6005..6067, 6012..6068, 10807..10998, 10808..10963		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	4140	End	4871
GI	none	Score	105
Exons	4140..4274, 4158..4274, 4186..4275, 4348..4458, 4361..4459, 4565..4666, 4567..4665, 4737..4871, 4754..4870		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	4366	End	5637
GI	none	Score	58
Exons	4366..4458, 4565..4663, 4567..4662, 4752..4886, 4754..4885, 5037..5276, 5050..5277, 5330..5452, 5359..5454, 5538..5636, 5542..5637		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	5175	End	6068
GI	none	Score	149
Exons	5175..5276, 5176..5274, 5330..5452, 5359..5454, 5538..5636, 5538..5636, 5542..5649, 5739..5840, 5740..5835, 5930..6067, 5931..6068		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3

Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	5939	End	10974
GI	none	Score	91
Exons	5939..6067, 5943..6086, 10807..10974, 10808..10963		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	10807	End	10974
GI	none	Score	114
Exons	10807..10974, 10808..10960		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o3.gp	Method	AAT/GAP
Start	13251	End	13329
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	13251..13329		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	16204	End	16527
GI	none	Score	130
Exons	16204..16356, 16205..16357, 16360..16434, 16375..16413, 16423..16482, 16486..16527		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o4.gs	Method	GENSCAN
Start	16204	End	20413
GI	none	Score	.79
Exons	16204..17021, 17559..17815, 18232..18344, 18671..18856, 20408..20413		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	16207	End	16545
GI	none	Score	221
Exons	16207..16443, 16207..16434, 16426..16545, 16432..16545		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o4.gp	Method	AAT/GAP
Start	16328	End	16775

GI	none	Score	852
Exons	16328..16775		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o4.ts	Method	TBLASTX:Soybean
Start	16499	End	16762
GI	none	Score	89
Exons	16499..16585, 16501..16608, 16609..16674, 16699..16761, 16700..16762		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	16555	End	16744
GI	none	Score	178
Exons	16555..16743, 16555..16743, 16565..16744		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	16745	End	17805
GI	none	Score	338
Exons	16745..17029, 16747..17028, 17548..17583, 17558..17578, 17587..17655, 17588..17647, 17631..17801, 17631..17801, 17632..17805, 17665..17805		

Seq. No.	8155	Seq. ID	OJ990531_43.9C03.C3
Gene No.	17342	Strand	-
Start	16204	End	20413
Name	OJ990531_43.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	16805	End	17011
GI	none	Score	141
Exons	16805..16933, 16807..17010, 16808..17011		

Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.gp	Method	AAT/GAP
Start	1	End	508
GI	2798641	Score	878
Exons	1..508		
GI Descrip.	5921799/sp|O88696|CLPP_MOUSE 3.0e-13 PUTATIVE ATP-DEPENDENT CLP PROTEASE PROTEOLYTIC SUBUNIT, MITOCHONDRIAL PRECURSOR (ENDOPEPTIDASE CLP) >gi_3559935_emb_CAA06443_ (AJ005253) ClpP protease [Mus musculus] >gi_4454289_emb_CAA09966_ (AJ012249) ClpP protease [Mus musculus]		

Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	410
GI	5921799	Score	270

Exons	1..410		
GI Descrip.	PUTATIVE ATP-DEPENDENT CLP PROTEASE PROTEOLYTIC SUBUNIT, MITOCHONDRIAL PRECURSOR (ENDOPEPTIDASE CLP) gi|3559935|emb|CAA06443| (AJ005253) ClpP protease [Mus musculus] gi|4454289|emb|CAA09966| (AJ012249) ClpP protease [Mus musculus]		
Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	2	End	244
GI	none	Score	210
Exons	2..244, 3..233		
Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	275
GI	none	Score	365
Exons	2..247, 3..275		
Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	238
GI	none	Score	299
Exons	2..238, 3..236		
Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	2	End	238
GI	none	Score	306
Exons	2..238, 3..236		
Seq. No.	8156	Seq. ID	OJ990531_43.9C03.C4
Gene No.	17343	Strand	-
Start	1	End	508
Name	OJ990531_43.9C03.C4.o1.gs	Method	GENSCAN
Start	32	End	448
GI	none	Score	.84
Exons	32..448		
Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17344	Strand	+
Start	2273	End	6123
Name	OJ990531_43.9C03.C5.o1.gs	Method	GENSCAN
Start	2273	End	6123
GI	none	Score	.78
Exons	2273..2828, 3998..4927, 6047..6123		
Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17344	Strand	+
Start	2273	End	6123

Name	OJ990531_43.9C03.C5.o1.np	Method	AAT/NAP
Start	4393	End	4993
GI	4140026	Score	311
Exons	4393..4993		
GI Descrip.	(AB009370) flavonoid 3-O-galactosyl transferase [Vigna mungo]		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17345	Strand	-
Start	6645	End	7119
Name	OJ990531_43.9C03.C5.o2.gs	Method	GENSCAN
Start	6645	End	7119
GI	none	Score	.5
Exons	6645..6766, 6914..6988, 7066..7119		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17346	Strand	-
Start	7534	End	7896
Name	OJ990531_43.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	2330	End	4875
GI	none	Score	82
Exons	2330..2407, 4399..4470, 4474..4563, 4503..4550, 4576..4875, 4633..4764, 4638..4856		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17346	Strand	-
Start	7534	End	7896
Name	OJ990531_43.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	2339	End	4878
GI	none	Score	83
Exons	2339..2407, 4399..4470, 4495..4563, 4582..4878, 4617..4805		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17346	Strand	-
Start	7534	End	7896
Name	OJ990531_43.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	4516	End	4900
GI	none	Score	52
Exons	4516..4557, 4525..4554, 4582..4824, 4584..4781, 4862..4900		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17346	Strand	-
Start	7534	End	7896
Name	OJ990531_43.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	4636	End	4986
GI	none	Score	368
Exons	4636..4986, 4636..4767, 4638..4985		

Seq. No.	8157	Seq. ID	OJ990531_43.9C03.C5
Gene No.	17346	Strand	-
Start	7534	End	7896
Name	OJ990531_43.9C03.C5.o2.np	Method	AAT/NAP
Start	7534	End	7896
GI	6907086	Score	285
Exons	7534..7896		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6

Gene No.	17347	Strand	+
Start	2730	End	3230
Name	OJ990531_43.9C03.C6.o2.gp	Method	AAT/GAP
Start	2730	End	3230
GI	38782_1.R1084	Score	790
Exons	2730..3230		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17348	Strand	+
Start	4965	End	5934
Name	OJ990531_43.9C03.C6.o2.gs	Method	GENSCAN
Start	4965	End	5912
GI	none	Score	.94
Exons	4965..5912		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17348	Strand	+
Start	4965	End	5934
Name	OJ990531_43.9C03.C6.o3.np	Method	AAT/NAP
Start	5160	End	5934
GI	5302796	Score	307
Exons	5160..5934		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17349	Strand	+
Start	6928	End	7062
Name	OJ990531_43.9C03.C6.o3.gs	Method	GENSCAN
Start	6928	End	7062
GI	none	Score	.48
Exons	6928..7062		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17350	Strand	+
Start	8155	End	9114
Name	OJ990531_43.9C03.C6.o4.gs	Method	GENSCAN
Start	8155	End	9114
GI	none	Score	1
Exons	8155..9114		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17351	Strand	-
Start	1	End	1267
Name	OJ990531_43.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	1267
GI	6907086	Score	1165
Exons	1..158, 211..464, 521..1267		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17352	Strand	-
Start	1354	End	1545
Name	OJ990531_43.9C03.C6.o1.gp	Method	AAT/GAP
Start	1354	End	1545
GI	5667165	Score	360

Exons	1354..1545		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17353	Strand	-
Start	1979	End	5431
Name	OJ990531_43.9C03.C6.o2.np	Method	AAT/NAP
Start	1979	End	5431
GI	4680186	Score	225
Exons	1979..2397, 2924..3027, 5271..5431		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	8158	Seq. ID	OJ990531_43.9C03.C6
Gene No.	17354	Strand	
Start	5424	End	9129
Name	OJ990531_43.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	5424	End	9129
GI	none	Score	135
Exons	5424..5630, 5673..5828, 5841..5906, 8581..9009, 8673..8753, 8823..8873, 9049..9129		
Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17355	Strand	+
Start	330	End	1084
Name	OJ990531_43.9C03.C7.o1.gs	Method	GENSCAN
Start	330	End	1084
GI	none	Score	.96
Exons	330..384, 621..1084		
Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17356	Strand	+
Start	1306	End	4786
Name	OJ990531_43.9C03.C7.o1.gp	Method	AAT/GAP
Start	1230	End	2144
GI	uC-osflcyp002g01b1	Score	718
Exons	1230..1458, 1567..1677, 2102..2144		
GI Descrip.	'5733874/gb|AAD49762.1|AC007932_10 5.0e-19 (AC007932) F11A17.8 [Arabidopsis thaliana]'		
Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17356	Strand	+
Start	1306	End	4786
Name	OJ990531_43.9C03.C7.o2.gs	Method	GENSCAN
Start	1306	End	4786
GI	none	Score	.74
Exons	1306..1458, 1567..1677, 2102..2199, 2284..2325, 3452..3530, 3815..3903, 4563..4631, 4702..4786		
Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17356	Strand	+
Start	1306	End	4786
Name	OJ990531_43.9C03.C7.o1.np	Method	AAT/NAP
Start	1342	End	4314
GI	4337206	Score	186
Exons	1342..1446, 1567..1682, 2107..2199, 2284..2325, 2412..2489, 3452..3547, 4298..4314		

GI Descrip. (AC006403) putative replication protein A1 [Arabidopsis thaliana]

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17357	Strand	+
Start	4938	End	5084
Name	OJ990531_43.9C03.C7.o2.gp	Method	AAT/GAP
Start	4938	End	5084
GI	3768311	Score	262
Exons	4938..5084		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17358	Strand	+
Start	16932	End	36172
Name	OJ990531_43.9C03.C7.o5.gs	Method	GENSCAN
Start	16932	End	36172
GI	none	Score	.66
Exons	16932..17305, 17706..18114, 18211..18282, 18380..18442, 18665..18850, 21060..21809, 21994..22272, 22958..23113, 24169..24354, 24406..24509, 24869..25073, 25148..25324, 26298..26769, 27230..27288, 27686..27958, 28986..29024, 29452..29617, 30090..30309, 31812..32596, 32757..33209, 34704..34843, 35533..35553, 36092..36172		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17358	Strand	+
Start	16932	End	36172
Name	OJ990531_43.9C03.C7.o7.gp	Method	AAT/GAP
Start	18782	End	19958
GI	3758958	Score	662
Exons	18782..18850, 19685..19958		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17358	Strand	+
Start	16932	End	36172
Name	OJ990531_43.9C03.C7.o8.gp	Method	AAT/GAP
Start	24845	End	25392
GI	uC-osflcyp124f12b1	Score	904
Exons	24845..25073, 25148..25392		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17358	Strand	+
Start	16932	End	36172
Name	OJ990531_43.9C03.C7.o9.gp	Method	AAT/GAP
Start	29475	End	29787
GI	3758959	Score	569
Exons	29475..29787		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17359	Strand	+
Start	46401	End	50395
Name	OJ990531_43.9C03.C7.o5.np	Method	AAT/NAP
Start	46401	End	50395
GI	4966347	Score	890
Exons	46401..47173, 47852..47900, 48024..48107, 48241..49349,		

50282..50395
GI Descrip. (AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17360	Strand	+
Start	52057	End	52475
Name	OJ990531_43.9C03.C7.o8.gs	Method	GENSCAN
Start	52057	End	52475
GI	none	Score	.89
Exons	52057..52179, 52377..52475		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17361	Strand	+
Start	52641	End	52802
Name	OJ990531_43.9C03.C7.o9.gs	Method	GENSCAN
Start	52641	End	52802
GI	none	Score	.95
Exons	52641..52691, 52725..52802		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17362	Strand	+
Start	53276	End	54526
Name	OJ990531_43.9C03.C7.o10.gs	Method	GENSCAN
Start	53276	End	54526
GI	none	Score	.85
Exons	53276..53483, 53984..54124, 54178..54321, 54399..54526		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o3.gp	Method	AAT/GAP
Start	5390	End	5857
GI	3767922	Score	868
Exons	5390..5857		
GI Descrip.	5733874/gb|AAD49762.1|AC007932_10 5.0e-19 (AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o2.np	Method	AAT/NAP
Start	5608	End	9552
GI	6686396	Score	2400
Exons	5608..6717, 6836..7025, 7258..7392, 7491..7588, 7676..7839, 9180..9552		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o3.gs	Method	GENSCAN
Start	5608	End	9666
GI	none	Score	.67
Exons	5608..6717, 6836..7025, 7258..7392, 7491..7588, 7840..7917, 9034..9666		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o4.gp	Method	AAT/GAP
Start	6285	End	6891
GI	47342_1.R1084	Score	877
Exons	6285..6720, 6839..6891		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o5.gp	Method	AAT/GAP
Start	7753	End	8242
GI	none	Score	918
Exons	7753..8242		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17363	Strand	-
Start	5390	End	9726
Name	OJ990531_43.9C03.C7.o6.gp	Method	AAT/GAP
Start	9266	End	9726
GI	426105	Score	706
Exons	9266..9726		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17364	Strand	-
Start	14396	End	16594
Name	OJ990531_43.9C03.C7.o4.gs	Method	GENSCAN
Start	14396	End	16546
GI	none	Score	.46
Exons	14396..14520, 15079..15108, 15208..16546		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17364	Strand	-
Start	14396	End	16594
Name	OJ990531_43.9C03.C7.o3.np	Method	AAT/NAP
Start	15302	End	16594
GI	2632061	Score	694
Exons	15302..16594		
GI Descrip.	(AJ002597) membrane-associated salt-inducible protein like [Arabidopsis thaliana]		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17365	Strand	-
Start	36803	End	43752
Name	OJ990531_43.9C03.C7.o4.np	Method	AAT/NAP
Start	36803	End	43752
GI	6466937	Score	2344
Exons	36803..36858, 37831..42057, 43707..43752		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-

Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	5497	End	6890
GI	none	Score	40
Exons	5497..5550, 5499..5552, 5616..5915, 5617..6333, 5618..6334, 6128..6334, 6334..6720, 6337..6717, 6342..6725, 6815..6886, 6828..6890		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	5594	End	6030
GI	none	Score	432
Exons	5594..6025, 5597..6025, 5617..6030		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	5608	End	6558
GI	none	Score	301
Exons	5608..5901, 5621..5902, 5633..5902, 5637..5903, 5713..5907, 5908..6051, 5912..6064, 5914..6063, 6056..6241, 6058..6558, 6073..6549, 6123..6557		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	5633	End	6442
GI	none	Score	217
Exons	5633..5950, 5654..5896, 5656..5928, 5713..5979, 5959..6075, 5960..6052, 6059..6241, 6079..6240, 6238..6429, 6286..6441, 6323..6442		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o6.tc	Method	TBLASTX:Cress
Start	6619	End	6964
GI	none	Score	59
Exons	6619..6720, 6638..6718, 6651..6728, 6818..6964, 6834..6962, 6835..6963		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	6646	End	9495
GI	none	Score	128
Exons	6646..6720, 6818..7009, 6828..7028, 6828..7025, 7260..7316, 7493..7597, 7499..7591, 7673..7771, 7674..7760, 7805..7843, 9178..9495, 9179..9454		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-

Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o17.tm	Method	TBLASTX:Maize
Start	6893	End	7028
GI	none	Score	167
Exons	6893..7009, 6894..7028, 6897..7028		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o9.tm	Method	TBLASTX:Maize
Start	7290	End	9481
GI	none	Score	159
Exons	7290..7394, 7291..7404, 7295..7405, 7298..7408, 7472..7597, 7487..7591, 7667..7843, 7677..7841, 7741..7851, 9178..9480, 9179..9481		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o5.tc	Method	TBLASTX:Cress
Start	7488	End	7843
GI	none	Score	87
Exons	7488..7571, 7490..7597, 7673..7771, 7677..7760, 7787..7843		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o4.tc	Method	TBLASTX:Cress
Start	9202	End	9460
GI	none	Score	188
Exons	9202..9459, 9206..9460		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o11.tm	Method	TBLASTX:Maize
Start	15284	End	16081
GI	none	Score	347
Exons	15284..15931, 15395..16081		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o3.tc	Method	TBLASTX:Cress
Start	15340	End	16444
GI	none	Score	46
Exons	15340..15417, 15347..15760, 15348..15476, 15458..15535, 15466..15537, 15588..15722, 15635..15763, 15785..16033, 15786..16034, 15812..16054, 16034..16120, 16361..16444		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o6.ts	Method	TBLASTX:Soybean
Start	15398	End	16096
GI	none	Score	289
Exons	15398..16096		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o10.tm	Method	TBLASTX:Maize
Start	16850	End	17258
GI	none	Score	254
Exons	16850..16897, 16911..17141, 16917..17009, 17142..17258, 17189..17257		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	21179	End	22278
GI	none	Score	619
Exons	21179..21808, 21179..21811, 21180..21815, 21989..22117, 21991..22125, 21994..22125, 22123..22275, 22126..22278, 22140..22277		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o14.tm	Method	TBLASTX:Maize
Start	25095	End	25488
GI	none	Score	38
Exons	25095..25148, 25174..25236, 25175..25237, 25243..25488, 25247..25486		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	26297	End	27098
GI	none	Score	108
Exons	26297..26404, 26297..26404, 26316..26429, 26317..26412, 26412..26861, 26412..26873, 26413..26877, 26419..26877, 26597..26881, 26675..26881, 26878..27090, 26879..27097, 26937..27098		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o16.tm	Method	TBLASTX:Maize
Start	28004	End	29551
GI	none	Score	202
Exons	28004..28150, 28008..28157, 28012..28158, 28016..28159, 28030..28167, 28977..29024, 29449..29547, 29450..29551, 29451..29546		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o18.tm	Method	TBLASTX:Maize
Start	31653	End	46623
GI	none	Score	89
Exons	31653..31721, 31690..31824, 31828..31893, 31831..31920,		

46445..46621, 46466..46597, 46468..46623

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	32050	End	49307
GI	none	Score	109
Exons	32050..32208, 32783..32896, 33143..33214, 33743..34096, 33824..34063, 33889..34086, 33948..34112, 34115..34678, 34195..34422, 46472..46570, 46751..46924, 47192..47266, 47834..47896, 48372..48725, 48447..48692, 48527..48706, 48746..49051, 48747..49307, 48756..49064		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o15.tm	Method	TBLASTX:Maize
Start	33022	End	47914
GI	none	Score	203
Exons	33022..33189, 33023..33211, 47117..47170, 47207..47272, 47710..47904, 47711..47905, 47720..47914, 47722..47907		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	33692	End	49292
GI	none	Score	404
Exons	33692..34117, 33812..33886, 33892..34110, 34124..34663, 34195..34440, 48321..48740, 48438..48716, 48521..48787, 48753..49292, 48770..49105, 48795..49283		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	33695	End	49121
GI	none	Score	163
Exons	33695..33949, 33800..33901, 33947..34096, 33958..34086, 34121..34492, 34127..34423, 34213..34443, 48324..48578, 48414..48581, 48576..48725, 48587..48721, 48750..49121, 48755..49072		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	33752	End	48806
GI	none	Score	398
Exons	33752..34096, 33804..33914, 33889..34077, 33941..34117, 34118..34156, 48381..48725, 48421..48543, 48524..48706, 48747..48806		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654

Name	OJ990531_43.9C03.C7.o8.tw	Method	TBLASTX:Wheat
Start	34198	End	49075
GI	none	Score	122
Exons	34198..34281, 34199..34306, 34307..34444, 34321..34446, 48807..48935, 48936..49073, 48950..49075		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o8.tm	Method	TBLASTX:Maize
Start	37800	End	38487
GI	none	Score	92
Exons	37800..38042, 37897..38031, 38118..38486, 38221..38361, 38434..38487		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	38085	End	38420
GI	none	Score	118
Exons	38085..38420, 38110..38361, 38118..38387		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o7.tw	Method	TBLASTX:Wheat
Start	38478	End	38870
GI	none	Score	94
Exons	38478..38870, 38490..38867		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	38490	End	39125
GI	none	Score	353
Exons	38490..39125, 38491..39039		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o4.ts	Method	TBLASTX:Soybean
Start	38718	End	39090
GI	none	Score	156
Exons	38718..39089, 38809..39090		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	38958	End	39356
GI	none	Score	62
Exons	38958..39098, 38958..39356		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-

Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o12.tm	Method	TBLASTX:Maize
Start	39126	End	39551
GI	none	Score	55
Exons	39126..39362, 39186..39332, 39351..39551, 39352..39549		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o8.ts	Method	TBLASTX:Soybean
Start	39537	End	39791
GI	none	Score	121
Exons	39537..39791, 39586..39789		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o6.tm	Method	TBLASTX:Maize
Start	39552	End	40070
GI	none	Score	350
Exons	39552..40070, 39556..40065		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o6.tw	Method	TBLASTX:Wheat
Start	39702	End	40100
GI	none	Score	132
Exons	39702..40100, 39736..40092		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o5.ts	Method	TBLASTX:Soybean
Start	39825	End	40188
GI	none	Score	133
Exons	39825..40175, 39829..40188		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	40152	End	40634
GI	none	Score	114
Exons	40152..40634, 40182..40514, 40186..40554		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o7.tm	Method	TBLASTX:Maize
Start	40255	End	40782
GI	none	Score	209
Exons	40255..40782, 40257..40733		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654

Name	OJ990531_43.9C03.C7.o7.ts	Method	TBLASTX:Soybean
Start	40284	End	40598
GI	none	Score	237
Exons	40284..40598		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o13.tm	Method	TBLASTX:Maize
Start	40851	End	41470
GI	none	Score	134
Exons	40851..40934, 41016..41264, 41342..41470		

Seq. No.	8159	Seq. ID	OJ990531_43.9C03.C7
Gene No.	17366	Strand	-
Start	50967	End	52654
Name	OJ990531_43.9C03.C7.o6.np	Method	AAT/NAP
Start	50967	End	52654
GI	6063554	Score	82
Exons	50967..51151, 52631..52654		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17367	Strand	+
Start	12883	End	13807
Name	OJ990531_43.9C03.C8.o2.gs	Method	GENSCAN
Start	12883	End	13807
GI	none	Score	.75
Exons	12883..13083, 13571..13807		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17368	Strand	-
Start	1095	End	12884
Name	OJ990531_43.9C03.C8.o1.gs	Method	GENSCAN
Start	1095	End	11482
GI	none	Score	.75
Exons	1095..1215, 1822..2237, 3479..3569, 4197..4318, 5197..5445, 5688..5774, 6140..6352, 6516..6638, 6990..7205, 7628..7675, 7759..7824, 8331..8393, 10538..10608, 11045..11169, 11475..11482		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17368	Strand	-
Start	1095	End	12884
Name	OJ990531_43.9C03.C8.o1.np	Method	AAT/NAP
Start	1104	End	12884
GI	6465806	Score	1455
Exons	1104..1215, 1822..2237, 3479..3569, 4197..4318, 5197..5451, 5688..5774, 6140..6330, 6485..6638, 7002..7205, 7325..7366, 7446..7541, 7628..7675, 7759..7824, 7934..7978, 8331..8393, 10538..10608, 11045..11145, 11617..11693, 12837..12884		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17368	Strand	-

Start	1095	End	12884
Name	OJ990531_43.9C03.C8.o1.gp	Method	AAT/GAP
Start	2050	End	3533
GI	3107662	Score	446
Exons	2050..2239, 3400..3533		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17368	Strand	-
Start	1095	End	12884
Name	OJ990531_43.9C03.C8.o2.gp	Method	AAT/GAP
Start	5336	End	6316
GI	LIB3434-026-P1-K1-B6	Score	628
Exons	5336..5445, 5688..5774, 6140..6316		
GI Descrip.	'1931654 2.0e-19 (U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]'		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17369	Strand	-
Start	14026	End	15855
Name	OJ990531_43.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	1108	End	3589
GI	none	Score	162
Exons	1108..1227, 1108..1215, 1110..1238, 1801..2238, 1820..2068, 1821..2240, 1821..2240, 3495..3569, 3497..3568, 3500..3589		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17369	Strand	-
Start	14026	End	15855
Name	OJ990531_43.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	4250	End	5335
GI	none	Score	156
Exons	4250..4318, 5195..5335, 5195..5323, 5203..5334		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17369	Strand	-
Start	14026	End	15855
Name	OJ990531_43.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	7074	End	7550
GI	none	Score	94
Exons	7074..7208, 7113..7199, 7114..7206, 7322..7366, 7441..7542, 7449..7550, 7449..7547		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17369	Strand	-
Start	14026	End	15855
Name	OJ990531_43.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	7158	End	7827
GI	none	Score	43
Exons	7158..7208, 7318..7368, 7322..7369, 7322..7366, 7413..7541, 7435..7542, 7441..7545, 7445..7546, 7625..7678, 7626..7667, 7759..7827		

Seq. No.	8160	Seq. ID	OJ990531_43.9C03.C8
Gene No.	17369	Strand	-
Start	14026	End	15855
Name	OJ990531_43.9C03.C8.o3.gs	Method	GENSCAN
Start	14026	End	15855

GI	none	Score	.73
Exons	14026..14581, 14763..14922, 15726..15855		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	3191
GI	6665543	Score	250
Exons	1..20, 2280..2355, 2604..2693, 2845..3191		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o1.gs	Method	GENSCAN
Start	47	End	2240
GI	none	Score	.51
Exons	47..86, 441..628, 884..1744, 1966..2240		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	2172	End	2357
GI	none	Score	184
Exons	2172..2357, 2174..2335		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	2674	End	3191
GI	none	Score	92
Exons	2674..2760, 2675..2758, 2843..3031, 2916..3191, 2916..3191		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	2922	End	3164
GI	none	Score	188
Exons	2922..3164, 3042..3116, 3122..3163		

Seq. No.	8161	Seq. ID	OJ990531_43.9C03.C9
Gene No.	17370	Strand	+
Start	1	End	3191
Name	OJ990531_43.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	2982	End	3191
GI	none	Score	198
Exons	2982..3191, 3034..3144, 3119..3190		

Seq. No.	8162	Seq. ID	OJ990531_43.9C03.C10
Gene No.	17371	Strand	-
Start	2701	End	4466
Name	OJ990531_43.9C03.C10.o1.gs	Method	GENSCAN
Start	2701	End	4466

GI	none	Score	.7
Exons	2701..3638, 3698..3803, 4035..4138, 4418..4466		

Seq. No.	8162	Seq. ID	OJ990531_43.9C03.C10
Gene No.	17371	Strand	-
Start	2701	End	4466
Name	OJ990531_43.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	2928	End	3663
GI	none	Score	83
Exons	2928..2954, 2961..3017, 3091..3129, 3202..3261, 3325..3450, 3469..3519, 3568..3663		

Seq. No.	8162	Seq. ID	OJ990531_43.9C03.C10
Gene No.	17371	Strand	-
Start	2701	End	4466
Name	OJ990531_43.9C03.C10.o1.np	Method	AAT/NAP
Start	2932	End	4110
GI	6850308	Score	543
Exons	2932..3735, 3992..4110		
GI Descrip.	(AC009999) Contains similarity to a Lipase-like protein from Ipomoea nil gb|U55867 and contains a Lipase PF|01764 domain. [Arabidopsis thaliana]		

Seq. No.	8162	Seq. ID	OJ990531_43.9C03.C10
Gene No.	17371	Strand	-
Start	2701	End	4466
Name	OJ990531_43.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	2961	End	3525
GI	none	Score	69
Exons	2961..3020, 3057..3122, 3092..3262, 3202..3261, 3325..3426, 3325..3450, 3487..3525		

Seq. No.	8163	Seq. ID	OJ990531_43.9C03.C11
Gene No.	17372	Strand	-
Start	449	End	480
Name	OJ990531_43.9C03.C11.o1.gs	Method	GENSCAN
Start	449	End	480
GI	none	Score	.87
Exons	449..480		

Seq. No.	8164	Seq. ID	OJ990531_43.9C03.C13
Gene No.	17373	Strand	-
Start	1	End	1066
Name	OJ990531_43.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	1066
GI	6006359	Score	82
Exons	1..36, 674..775, 976..1066		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	8164	Seq. ID	OJ990531_43.9C03.C13
Gene No.	17373	Strand	-
Start	1	End	1066
Name	OJ990531_43.9C03.C13.o1.gs	Method	GENSCAN
Start	670	End	771
GI	none	Score	.53
Exons	670..771		

Seq. No.	8165	Seq. ID	OJ990531_43.9C03.C15
Gene No.	17374	Strand	+
Start	1	End	272
Name	OJ990531_43.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	197
GI	6685315	Score	185
Exons	1..197		
GI Descrip.	ATP-DEPENDENT CLP PROTEASE PROTEOLYTIC SUBUNIT (ENDOPEPTIDASE CLP) gi|5002357|gb|AAD37435.1|AF150957_2 (AF150957) heat-shock protein ClpP [Azospirillum brasilense]		

Seq. No.	8165	Seq. ID	OJ990531_43.9C03.C15
Gene No.	17374	Strand	+
Start	1	End	272
Name	OJ990531_43.9C03.C15.o1.gs	Method	GENSCAN
Start	48	End	272
GI	none	Score	.56
Exons	48..272		

Seq. No.	8165	Seq. ID	OJ990531_43.9C03.C15
Gene No.	17375	Strand	-
Start	1	End	312
Name	OJ990531_43.9C03.C15.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	2702_1.R1084	Score	592
Exons	1..312		
GI Descrip.	'5002357/gb|AAD37435.1|AF150957_2 1.0e-34 (AF150957) heat-shock protein ClpP [Azospirillum brasilense]'		

Seq. No.	8165	Seq. ID	OJ990531_43.9C03.C15
Gene No.	17375	Strand	-
Start	1	End	312
Name	OJ990531_43.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	300
GI	none	Score	171
Exons	1..18, 2..115, 2..202, 3..203, 117..203, 244..300, 244..300		

Seq. No.	8165	Seq. ID	OJ990531_43.9C03.C15
Gene No.	17375	Strand	-
Start	1	End	312
Name	OJ990531_43.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	14	End	224
GI	none	Score	129
Exons	14..193, 15..221, 59..220, 117..224		

Seq. No.	8166	Seq. ID	OJ990821_46.9C01.C2
Gene No.	17376	Strand	+
Start	40	End	1876
Name	OJ990821_46.9C01.C2.o1.gs	Method	GENSCAN
Start	40	End	1876
GI	none	Score	.76
Exons	40..404, 697..752, 1734..1876		

Seq. No.	8166	Seq. ID	OJ990821_46.9C01.C2
Gene No.	17377	Strand	+
Start	2750	End	2806
Name	OJ990821_46.9C01.C2.o1.gp	Method	AAT/GAP

Start	2750	End	2806
GI	20723_1.R1084	Score	65
Exons	2750..2806		
GI Descrip.	'2149018/gb|U70541|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	8166	Seq. ID	OJ990821_46.9C01.C2
Gene No.	17378	Strand	-
Start	5979	End	6541
Name	OJ990821_46.9C01.C2.o3.gs	Method	GENSCAN
Start	5979	End	6541
GI	none	Score	.98
Exons	5979..6250, 6484..6541		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17379	Strand	+
Start	808	End	4042
Name	OJ990821_46.9C01.C3.o1.gp	Method	AAT/GAP
Start	808	End	3850
GI	none	Score	607
Exons	808..1098, 3759..3850		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17379	Strand	+
Start	808	End	4042
Name	OJ990821_46.9C01.C3.o1.gs	Method	GENSCAN
Start	814	End	4042
GI	none	Score	.68
Exons	814..992, 997..1157, 1175..1289, 3759..4042		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17380	Strand	-
Start	3871	End	4240
Name	OJ990821_46.9C01.C3.o2.gp	Method	AAT/GAP
Start	3871	End	4240
GI	none	Score	662
Exons	3871..4240		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17381	Strand	-
Start	4910	End	5035
Name	OJ990821_46.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	1014	End	3973
GI	none	Score	145
Exons	1014..1100, 1016..1099, 3757..3972, 3758..3973		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17381	Strand	-
Start	4910	End	5035
Name	OJ990821_46.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	1041	End	4075
GI	none	Score	100
Exons	1041..1100, 1043..1099, 3724..4044, 3725..4075, 3749..4045		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17381	Strand	-

Start	4910	End	5035
Name	OJ990821_46.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	3750	End	4038
GI	none	Score	138
Exons	3750..4019, 3757..4020, 3757..4038, 3758..4036		

Seq. No.	8167	Seq. ID	OJ990821_46.9C01.C3
Gene No.	17381	Strand	-
Start	4910	End	5035
Name	OJ990821_46.9C01.C3.o2.gs	Method	GENSCAN
Start	4910	End	5035
GI	none	Score	.71
Exons	4910..5035		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17382	Strand	+
Start	10168	End	14233
Name	OJ990821_46.9C01.C4.o1.np	Method	AAT/NAP
Start	10168	End	14233
GI	5732066	Score	343
Exons	10168..10445, 13573..14008, 14150..14233		
GI Descrip.	(AF147263) contains similarity to Medicago truncatula N7 protein (GB:Y17613) [Arabidopsis thaliana]		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17383	Strand	+
Start	20240	End	21986
Name	OJ990821_46.9C01.C4.o4.gs	Method	GENSCAN
Start	20240	End	21986
GI	none	Score	.51
Exons	20240..20309, 21372..21463, 21501..21586, 21839..21986		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17384	Strand	+
Start	24541	End	24658
Name	OJ990821_46.9C01.C4.o5.gp	Method	AAT/GAP
Start	24541	End	24658
GI	91369_1.R1084	Score	220
Exons	24541..24658		
GI Descrip.	'5732066/gb|AAD48965.1|AF147263_7 4.0e-29 (AF147263) contains similarity to Medicago truncatula N7 protein (GB:Y17613) [Arabidopsis thaliana]'		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17385	Strand	-
Start	3167	End	7630
Name	OJ990821_46.9C01.C4.o1.gp	Method	AAT/GAP
Start	3167	End	7630
GI	286826	Score	750
Exons	3167..3312, 3495..3563, 4014..4079, 7217..7295, 7553..7630		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17386	Strand	-
Start	7622	End	8129
Name	OJ990821_46.9C01.C4.o2.gp	Method	AAT/GAP
Start	7622	End	8129
GI	none	Score	999

Exons	7622..8129		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17387	Strand	-
Start	9330	End	9430
Name	OJ990821_46.9C01.C4.o3.gp	Method	AAT/GAP
Start	9330	End	9430
GI	LIB3477-003-P1-K1-E9	Score	148
Exons	9330..9430		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17388	Strand	-
Start	15456	End	19514
Name	OJ990821_46.9C01.C4.o4.gp	Method	AAT/GAP
Start	15361	End	19460
GI	23495_1.R1084	Score	1602
Exons	15361..15515, 15594..15678, 16926..17003, 17094..17241, 18067..18226, 18863..18980, 19291..19460		
GI Descrip.	'3377820 3.0e-45 (AF076275) contains similarity to coatomer zeta chains [Arabidopsis thaliana]'		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17388	Strand	-
Start	15456	End	19514
Name	OJ990821_46.9C01.C4.o3.gs	Method	GENSCAN
Start	15456	End	19514
GI	none	Score	.93
Exons	15456..15515, 15594..15678, 16926..17003, 17094..17241, 18067..18226, 18863..18911, 19363..19514		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17388	Strand	-
Start	15456	End	19514
Name	OJ990821_46.9C01.C4.o2.np	Method	AAT/NAP
Start	15534	End	18235
GI	6681338	Score	477
Exons	15534..15678, 16926..17003, 17094..17241, 18067..18235		
GI Descrip.	(AC015985) putative coatomer zeta subunit (zeta-coat protein) [Arabidopsis thaliana] gi|6682256|gb|AAF23308.1|AC016661_33 (AC016661) unknown protein [Arabidopsis thaliana]		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	10129	End	24653
GI	none	Score	158
Exons	10129..10311, 10188..10307, 10330..10368, 24428..24601, 24429..24653, 24492..24653		
Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o3.tm	Method	TBLASTX:Maize

Start	15442	End	18232
GI	none	Score	95
Exons	15442..15519, 15451..15525, 15456..15527, 15468..15533, 15594..15671, 15595..15678, 15596..15670, 18064..18228, 18068..18232, 18069..18227		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	16925	End	17251
GI	none	Score	119
Exons	16925..17014, 16926..17006, 16930..17007, 16931..17008, 17083..17244, 17093..17242, 17093..17251		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	16925	End	18247
GI	none	Score	76
Exons	16925..17032, 16926..17033, 17093..17248, 17093..17242, 18068..18247, 18069..18218		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	17091	End	18233
GI	none	Score	88
Exons	17091..17243, 17093..17242, 17144..17245, 18065..18229, 18068..18232, 18069..18233		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	17096	End	18891
GI	none	Score	53
Exons	17096..17128, 17097..17132, 17141..17200, 17141..17200, 17177..17245, 17202..17249, 17204..17248, 18064..18228, 18068..18232, 18069..18227, 18859..18891		

Seq. No.	8168	Seq. ID	OJ990821_46.9C01.C4
Gene No.	17389	Strand	-
Start	22705	End	24653
Name	OJ990821_46.9C01.C4.o5.gs	Method	GENSCAN
Start	22705	End	24634
GI	none	Score	.67
Exons	22705..22778, 22989..23123, 23805..24017, 24370..24634		

Seq. No.	8169	Seq. ID	OJ990821_46.9C01.C6
Gene No.	17390	Strand	+
Start	948	End	7319
Name	OJ990821_46.9C01.C6.o1.gs	Method	GENSCAN
Start	948	End	7319
GI	none	Score	.44

Exons	948..1056, 1107..1153, 4823..4883, 7117..7319		
Seq. No.	8169	Seq. ID	OJ990821_46.9C01.C6
Gene No.	17390	Strand	+
Start	948	End	7319
Name	OJ990821_46.9C01.C6.o1.np	Method	AAT/NAP
Start	4431	End	6396
GI	4680186	Score	85
Exons	4431..4531, 6199..6396		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	8169	Seq. ID	OJ990821_46.9C01.C6
Gene No.	17391	Strand	-
Start	7567	End	8326
Name	OJ990821_46.9C01.C6.o2.gs	Method	GENSCAN
Start	7567	End	8326
GI	none	Score	.84
Exons	7567..7795, 7801..8326		
Seq. No.	8170	Seq. ID	OJ990821_46.9C01.C7
Gene No.	17392	Strand	-
Start	1	End	249
Name	OJ990821_46.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	249
GI	6630685	Score	197
Exons	1..249		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	8170	Seq. ID	OJ990821_46.9C01.C7
Gene No.	17392	Strand	-
Start	1	End	249
Name	OJ990821_46.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	8	End	247
GI	none	Score	81
Exons	8..241, 8..247, 114..245		
Seq. No.	8170	Seq. ID	OJ990821_46.9C01.C7
Gene No.	17392	Strand	-
Start	1	End	249
Name	OJ990821_46.9C01.C7.o1.gs	Method	GENSCAN
Start	19	End	139
GI	none	Score	.66
Exons	19..139		
Seq. No.	8171	Seq. ID	OJ990821_46.9C01.C8
Gene No.	17393	Strand	+
Start	48	End	126
Name	OJ990821_46.9C01.C8.o1.gs	Method	GENSCAN
Start	48	End	126
GI	none	Score	.75
Exons	48..126		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17394	Strand	+
Start	411	End	3804
Name	OJ990821_46.9C01.C9.o1.gs	Method	GENSCAN

Start	411	End	3721
GI	none	Score	.65
Exons	411..474, 1683..1758, 1814..2066, 2200..2328, 2950..2979, 3131..3721		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17394	Strand	+
Start	411	End	3804
Name	OJ990821_46.9C01.C9.o1.gp	Method	AAT/GAP
Start	1599	End	1962
GI	none	Score	664
Exons	1599..1962		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17394	Strand	+
Start	411	End	3804
Name	OJ990821_46.9C01.C9.o1.np	Method	AAT/NAP
Start	1750	End	3804
GI	1588565	Score	1015
Exons	1750..2090, 2200..2328, 3131..3619, 3748..3804		
GI Descrip.	alternative oxidase 1 [Solanum tuberosum]		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17395	Strand	+
Start	27561	End	28921
Name	OJ990821_46.9C01.C9.o7.gs	Method	GENSCAN
Start	27561	End	28921
GI	none	Score	.59
Exons	27561..27760, 28803..28921		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17396	Strand	-
Start	3951	End	4139
Name	OJ990821_46.9C01.C9.o2.gp	Method	AAT/GAP
Start	3951	End	4139
GI	none	Score	362
Exons	3951..4139		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17397	Strand	-
Start	7050	End	7515
Name	OJ990821_46.9C01.C9.o3.gp	Method	AAT/GAP
Start	7050	End	7515
GI	2310526	Score	738
Exons	7050..7515		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17398	Strand	-
Start	8193	End	10205
Name	OJ990821_46.9C01.C9.o3.gs	Method	GENSCAN
Start	8193	End	10205
GI	none	Score	.94
Exons	8193..10205		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17399	Strand	-
Start	12817	End	13341

Name	OJ990821_46.9C01.C9.o4.gs	Method	GENSCAN
Start	12817	End	13341
GI	none	Score	.97
Exons	12817..13341		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17400	Strand	-
Start	15064	End	18985
Name	OJ990821_46.9C01.C9.o5.gs	Method	GENSCAN
Start	15064	End	18985
GI	none	Score	.56
Exons	15064..15256, 15752..15902, 16064..16222, 17566..17666, 18960..18985		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	2018	End	3813
GI	none	Score	107
Exons	2018..2086, 2022..2090, 2025..2093, 2197..2328, 2199..2327, 2203..2328, 3128..3619, 3130..3357, 3412..3621, 3748..3813		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	2018	End	3807
GI	none	Score	100
Exons	2018..2086, 2022..2087, 2199..2327, 2200..2328, 3128..3619, 3128..3331, 3130..3357, 3412..3621, 3748..3807		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o8.tm	Method	TBLASTX:Maize
Start	3157	End	3328
GI	none	Score	217
Exons	3157..3327, 3158..3328, 3158..3328		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	3310	End	3646
GI	none	Score	188
Exons	3310..3357, 3311..3475, 3430..3474, 3487..3621, 3488..3646		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	3329	End	3586
GI	none	Score	357
Exons	3329..3586, 3409..3585		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9

Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o5.ts	Method	TBLASTX:Soybean
Start	8325	End	8664
GI	none	Score	107
Exons	8325..8660, 8431..8664		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o7.tm	Method	TBLASTX:Maize
Start	8357	End	8669
GI	none	Score	92
Exons	8357..8488, 8364..8660, 8400..8669		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o3.tc	Method	TBLASTX:Cress
Start	19949	End	24044
GI	none	Score	75
Exons	19949..20107, 20115..20228, 20150..20227, 20329..20448, 20494..20586, 21121..21303, 21122..21286, 21392..21613, 21729..21881, 21784..21882, 22047..22103, 22259..22360, 22267..22323, 23967..24044		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	19952	End	20497
GI	none	Score	95
Exons	19952..20107, 20139..20231, 20150..20230, 20329..20448, 20339..20497		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	19958	End	20131
GI	none	Score	100
Exons	19958..20131, 19962..20129		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o2.ts	Method	TBLASTX:Soybean
Start	19961	End	24059
GI	none	Score	59
Exons	19961..20101, 19968..20087, 20145..20234, 20148..20228, 20150..20257, 20329..20448, 20342..20539, 20387..20524, 20494..20583, 21124..21300, 21125..21286, 21386..21613, 21468..21614, 21729..21893, 21784..21891, 21921..21998, 22047..22100, 22262..22510, 22267..22566, 22399..22539, 22639..23001, 22670..23002, 23200..23292, 23671..23808, 23938..24048, 23952..24059, 23952..24059, 23967..24035		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o6.gs	Method	GENSCAN
Start	19961	End	26048
GI	none	Score	.77
Exons	19961..20230, 21127..21298, 21384..21611, 21757..21890, 22360..22566, 22669..23001, 23197..23303, 23461..23580, 23667..23832, 23946..24049, 24174..24334, 24435..24636, 25411..25501, 25578..25868, 25965..26048		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o2.np	Method	AAT/NAP
Start	19964	End	28024
GI	4581139	Score	3571
Exons	19964..20230, 20326..20580, 21127..21298, 21384..21611, 21757..21890, 22047..22131, 22276..22566, 22669..23001, 23197..23385, 23667..23832, 23946..24049, 24174..24334, 24435..25333, 25411..25501, 25578..25868, 25965..26052, 27962..28024		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o4.gp	Method	AAT/GAP
Start	20099	End	21176
GI	uC-osf1cyp086h08b1	Score	822
Exons	20099..20230, 20326..20580, 21127..21176		
GI Descrip.	'4581139/gb|AAD24623.1|AC006919_1 3.0e-37 (AC006919) putative ABC transporter [Arabidopsis thaliana]'		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	20139	End	24035
GI	none	Score	117
Exons	20139..20234, 20148..20228, 20150..20257, 20329..20583, 20330..20575, 20339..20611, 20340..20612, 23967..24035		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o5.tm	Method	TBLASTX:Maize
Start	20506	End	21613
GI	none	Score	83
Exons	20506..20583, 21121..21291, 21152..21328, 21383..21613		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o4.tw	Method	TBLASTX:Wheat
Start	21124	End	21424
GI	none	Score	70

Exons	21124..21288, 21127..21216, 21134..21289, 21386..21424		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o5.gp	Method	AAT/GAP
Start	21500	End	22369
GI	LIB3474-007-P1-K1-F8	Score	736
Exons	21500..21611, 21757..21891, 22048..22131, 22276..22369		
GI Descrip.	'4581139/gb|AAD24623.1|AC006919_1 1.0e-42 (AC006919) putative ABC transporter [Arabidopsis thaliana]'		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o9.tm	Method	TBLASTX:Maize
Start	21753	End	22103
GI	none	Score	148
Exons	21753..21893, 21756..21893, 21769..21909, 21836..21898, 22047..22103		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o2.tc	Method	TBLASTX:Cress
Start	22367	End	25814
GI	none	Score	192
Exons	22367..22513, 22372..22566, 22402..22539, 22663..23001, 22682..23002, 23200..23307, 25740..25814		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	22462	End	25862
GI	none	Score	92
Exons	22462..22566, 22466..22567, 22467..22568, 22620..22826, 22627..23001, 22663..23001, 22668..23003, 22670..23002, 23192..23305, 23197..23304, 25734..25862		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o6.gp	Method	AAT/GAP
Start	23030	End	23127
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	23030..23127		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o4.ts	Method	TBLASTX:Soybean
Start	24440	End	24722
GI	none	Score	47

Exons	24440..24529, 24441..24512, 24518..24721, 24543..24722		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o6.tm	Method	TBLASTX:Maize
Start	24440	End	24618
GI	none	Score	210
Exons	24440..24616, 24441..24617, 24517..24618, 24529..24618		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o4.tc	Method	TBLASTX:Cress
Start	24470	End	24809
GI	none	Score	141
Exons	24470..24808, 24471..24809		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o5.tc	Method	TBLASTX:Cress
Start	24907	End	25215
GI	none	Score	95
Exons	24907..25101, 24910..25095, 24953..25099, 25074..25211, 25090..25215		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o3.ts	Method	TBLASTX:Soybean
Start	24929	End	25296
GI	none	Score	109
Exons	24929..25096, 24931..25095, 24931..25101, 24935..25099, 25074..25283, 25074..25292, 25090..25296, 25171..25293		
Seq. No.	8172	Seq. ID	OJ990821_46.9C01.C9
Gene No.	17401	Strand	-
Start	19961	End	28024
Name	OJ990821_46.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	25113	End	25501
GI	none	Score	169
Exons	25113..25343, 25114..25347, 25400..25501, 25410..25499		
Seq. No.	8173	Seq. ID	OJ990821_46.9C01.C12
Gene No.	17402	Strand	-
Start	2148	End	3202
Name	OJ990821_46.9C01.C12.o1.np	Method	AAT/NAP
Start	2148	End	3202
GI	4581139	Score	176
Exons	2148..2288, 2781..2902, 2942..3202		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		
Seq. No.	8173	Seq. ID	OJ990821_46.9C01.C12
Gene No.	17402	Strand	-
Start	2148	End	3202
Name	OJ990821_46.9C01.C12.o1.gs	Method	GENSCAN

Start	2164	End	3184
GI	none	Score	.91
Exons	2164..2288, 2781..3184		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17403	Strand	+
Start	827	End	1454
Name	OJ990821_46.9C01.C13.o1.gs	Method	GENSCAN
Start	827	End	1454
GI	none	Score	.67
Exons	827..985, 1258..1454		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17404	Strand	+
Start	1980	End	3217
Name	OJ990821_46.9C01.C13.o1.np	Method	AAT/NAP
Start	1967	End	2687
GI	6815052	Score	502
Exons	1967..2132, 2214..2288, 2569..2687		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17404	Strand	+
Start	1980	End	3217
Name	OJ990821_46.9C01.C13.o2.gs	Method	GENSCAN
Start	1980	End	3217
GI	none	Score	.88
Exons	1980..2133, 2889..3217		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17405	Strand	+
Start	6231	End	8241
Name	OJ990821_46.9C01.C13.o3.np	Method	AAT/NAP
Start	6231	End	8241
GI	6063554	Score	181
Exons	6231..6360, 6710..6925, 6970..7002, 8068..8241		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17405	Strand	+
Start	6231	End	8241
Name	OJ990821_46.9C01.C13.o2.np	Method	AAT/NAP
Start	6636	End	7532
GI	5852178	Score	287
Exons	6636..6909, 6940..7074, 7438..7532		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17406	Strand	-
Start	1666	End	1748
Name	OJ990821_46.9C01.C13.o1.gp	Method	AAT/GAP
Start	1666	End	1748
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1666..1748		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17407	Strand	-
Start	3851	End	4122
Name	OJ990821_46.9C01.C13.o3.gs	Method	GENSCAN
Start	3851	End	4122
GI	none	Score	.56
Exons	3851..3863, 4013..4122		

Seq. No.	8174	Seq. ID	OJ990821_46.9C01.C13
Gene No.	17408	Strand	-
Start	6700	End	7047
Name	OJ990821_46.9C01.C13.o4.gs	Method	GENSCAN
Start	6700	End	7047
GI	none	Score	1
Exons	6700..7047		

Seq. No.	8175	Seq. ID	OJ990821_46.9C01.C14
Gene No.	17409	Strand	+
Start	1	End	1402
Name	OJ990821_46.9C01.C14.o1.np	Method	AAT/NAP
Start	1	End	1402
GI	81286	Score	122
Exons	1..99, 380..582, 628..739, 1018..1402		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	8175	Seq. ID	OJ990821_46.9C01.C14
Gene No.	17410	Strand	-
Start	177	End	615
Name	OJ990821_46.9C01.C14.o1.gs	Method	GENSCAN
Start	177	End	615
GI	none	Score	.59
Exons	177..615		

Seq. No.	8176	Seq. ID	OJ990821_46.9C01.C15
Gene No.	17411	Strand	+
Start	40	End	235
Name	OJ990821_46.9C01.C15.o1.gs	Method	GENSCAN
Start	40	End	235
GI	none	Score	.84
Exons	40..131, 208..235		

Seq. No.	8177	Seq. ID	OJ990821_46.9C01.C16
Gene No.	17412	Strand	+
Start	488	End	548
Name	OJ990821_46.9C01.C16.o1.np	Method	AAT/NAP
Start	488	End	548
GI	2498930	Score	69
Exons	488..548		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8177	Seq. ID	OJ990821_46.9C01.C16
Gene No.	17413	Strand	+

Start	489	End	548
Name	OJ990821_46.9C01.C16.o1.gs	Method	GENSCAN
Start	489	End	548
GI	none	Score	.94
Exons	489..548		

Seq. No.	8178	Seq. ID	OJ990821_44.9C20.C1
Gene No.	17414	Strand	-
Start	1	End	540
Name	OJ990821_44.9C20.C1.o1.np	Method	AAT/NAP
Start	1	End	540
GI	2498930	Score	549
Exons	1..309, 477..540		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8178	Seq. ID	OJ990821_44.9C20.C1
Gene No.	17414	Strand	-
Start	1	End	540
Name	OJ990821_44.9C20.C1.o1.gs	Method	GENSCAN
Start	107	End	536
GI	none	Score	.83
Exons	107..309, 477..536		

Seq. No.	8179	Seq. ID	OJ990821_44.9C20.C2
Gene No.	17415	Strand	-
Start	120	End	634
Name	OJ990821_44.9C20.C2.o1.gs	Method	GENSCAN
Start	120	End	634
GI	none	Score	.67
Exons	120..404, 572..634		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17416	Strand	+
Start	44	End	763
Name	OJ990821_44.9C20.C3.o1.gs	Method	GENSCAN
Start	44	End	763
GI	none	Score	.81
Exons	44..98, 747..763		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17417	Strand	+
Start	24228	End	25545
Name	OJ990821_44.9C20.C3.o4.gs	Method	GENSCAN
Start	24228	End	25545
GI	none	Score	.41
Exons	24228..24355, 25539..25545		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17418	Strand	+
Start	29817	End	30518
Name	OJ990821_44.9C20.C3.o5.gs	Method	GENSCAN
Start	29817	End	30518
GI	none	Score	.84
Exons	29817..30518		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3

Gene No.	17419	Strand	+
Start	32381	End	32835
Name	OJ990821_44.9C20.C3.o1.gp	Method	AAT/GAP
Start	32381	End	32835
GI	36280_1.R1084	Score	842
Exons	32381..32835		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17420	Strand	+
Start	38167	End	39604
Name	OJ990821_44.9C20.C3.o7.gs	Method	GENSCAN
Start	38167	End	39486
GI	none	Score	.72
Exons	38167..38403, 38495..38621, 39281..39486		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17420	Strand	+
Start	38167	End	39604
Name	OJ990821_44.9C20.C3.o5.np	Method	AAT/NAP
Start	38318	End	39426
GI	6735324	Score	115
Exons	38318..38403, 38495..38621, 39281..39426		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17420	Strand	+
Start	38167	End	39604
Name	OJ990821_44.9C20.C3.o2.gp	Method	AAT/GAP
Start	39251	End	39604
GI	287121	Score	617
Exons	39251..39604		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17421	Strand	+
Start	39624	End	40110
Name	OJ990821_44.9C20.C3.o3.gp	Method	AAT/GAP
Start	39624	End	40110
GI	3761059	Score	898
Exons	39624..40110		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17422	Strand	+
Start	43677	End	57177
Name	OJ990821_44.9C20.C3.o9.gs	Method	GENSCAN
Start	43677	End	53815
GI	none	Score	.73
Exons	43677..43979, 46408..46521, 46641..46931, 50974..51051, 51817..51899, 52125..52224, 52734..52908, 53715..53815		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17422	Strand	+
Start	43677	End	57177
Name	OJ990821_44.9C20.C3.o7.np	Method	AAT/NAP

Start	43725	End	52414
GI	2160170	Score	507
Exons	43725..43979, 50974..51051, 51523..51576, 51817..51976, 52123..52224, 52298..52414		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17422	Strand	+
Start	43677	End	57177
Name	OJ990821_44.9C20.C3.o8.np	Method	AAT/NAP
Start	52728	End	57177
GI	2160171	Score	124
Exons	52728..53103, 57137..57177		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17423	Strand	-
Start	1	End	25740
Name	OJ990821_44.9C20.C3.o1.np	Method	AAT/NAP
Start	1	End	25740
GI	4680207	Score	1026
Exons	1..37, 17433..19148, 20279..20491, 21381..21961, 25699..25740		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17423	Strand	-
Start	1	End	25740
Name	OJ990821_44.9C20.C3.o2.gs	Method	GENSCAN
Start	924	End	2491
GI	none	Score	.46
Exons	924..972, 1710..2491		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17423	Strand	-
Start	1	End	25740
Name	OJ990821_44.9C20.C3.o2.np	Method	AAT/NAP
Start	12487	End	14455
GI	4680184	Score	885
Exons	12487..13271, 13383..13969, 14013..14455		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17423	Strand	-
Start	1	End	25740
Name	OJ990821_44.9C20.C3.o3.np	Method	AAT/NAP
Start	14028	End	15907
GI	6907088	Score	347
Exons	14028..14426, 15352..15594, 15770..15907		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17424	Strand	-
Start	32004	End	36749
Name	OJ990821_44.9C20.C3.o6.gs	Method	GENSCAN
Start	32004	End	36749
GI	none	Score	.58

Exons	32004..33538, 33560..33895, 33961..35016, 35078..36188, 36252..36749		
Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17424	Strand	-
Start	32004	End	36749
Name	OJ990821_44.9C20.C3.o4.np	Method	AAT/NAP
Start	32007	End	36749
GI	5295971	Score	7825
Exons	32007..36749		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17425	Strand	-
Start	40842	End	43466
Name	OJ990821_44.9C20.C3.o4.gp	Method	AAT/GAP
Start	40755	End	43466
GI	LIB3434-025-P1-K1-E9	Score	869
Exons	40755..40990, 41463..41539, 43175..43291, 43421..43466		
GI Descrip.	'2144183/pir||JC4847 2.0e-28 DNA-directed RNA polymerase (EC 2.7.7.6) chain III - Ecotype Columbia >gi_1184686 (U35049) RNA polymerase I(A) and III(C) 14 kDa subunit [Arabidopsis thaliana] >gi_1184688 (U35050) Arabidopsis thaliana RNA polymerase I(A) and III(C) 14 kDa subunit [Arabidopsis thaliana] >gi_3980382 (AC004561) RNA polymerase I(A) and III(C) 14 kDa subunit (AtRPAC14)'		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17425	Strand	-
Start	40842	End	43466
Name	OJ990821_44.9C20.C3.o6.np	Method	AAT/NAP
Start	40807	End	43275
GI	2144183	Score	239
Exons	40807..40990, 41463..41539, 43175..43275		
GI Descrip.	DNA-directed RNA polymerase (EC 2.7.7.6) chain III - Ecotype Columbia gi|1184686 (U35049) RNA polymerase I(A) and III(C) 14 kDa subunit [Arabidopsis thaliana] gi|1184688 (U35050) Arabidopsis thaliana RNA polymerase I(A) and III(C) 14 kDa subunit [Arabidopsis thaliana] gi|3980382|gb|AAC95185.1| (AC004561) DNA-directed RNA polymerase 14 kDa subunit (AtRPAC14) [Arabidopsis tha		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17425	Strand	-
Start	40842	End	43466
Name	OJ990821_44.9C20.C3.o8.gs	Method	GENSCAN
Start	40842	End	43275
GI	none	Score	.83
Exons	40842..40990, 41463..41539, 43175..43275		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o4.tc	Method	TBLASTX:Cress
Start	2	End	20496

GI	none	Score	58
Exons	2..100, 389..493, 1784..1876, 1883..1945, 18497..18577, 18698..18871, 18905..19042, 19133..19234, 20356..20436, 20452..20496		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o4.ts	Method	TBLASTX:Soybean
Start	2	End	19204
GI	none	Score	66
Exons	2..148, 3..56, 168..260, 200..256, 269..448, 18518..18667, 18690..18824, 18692..18895, 18872..19003, 18915..18983, 19019..19204		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o4.tw	Method	TBLASTX:Wheat
Start	2	End	18799
GI	none	Score	60
Exons	2..55, 18503..18664, 18548..18664, 18665..18799, 18696..18785		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o8.tm	Method	TBLASTX:Maize
Start	2	End	18985
GI	none	Score	43
Exons	2..82, 2..82, 174..266, 200..241, 18509..18664, 18515..18664, 18692..18823, 18693..18800, 18848..18985		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o7.tw	Method	TBLASTX:Wheat
Start	266	End	19220
GI	none	Score	62
Exons	266..472, 269..475, 369..473, 19013..19219, 19113..19220		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o9.tm	Method	TBLASTX:Maize
Start	1970	End	21790
GI	none	Score	99
Exons	1970..2053, 2081..2212, 2231..2329, 2330..2458, 21695..21790		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o3.ts	Method	TBLASTX:Soybean
Start	32031	End	46928
GI	none	Score	49
Exons	32031..32264, 32164..32238, 32319..32507, 32347..32508, 32520..32681, 46390..46581, 46776..46928		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o1.tc	Method	TBLASTX:Cress
Start	32040	End	46930
GI	none	Score	85
Exons	32040..32258, 32074..32238, 32325..32405, 32329..32406, 32412..32702, 32413..32508, 32530..32640, 46378..46575, 46384..46581, 46391..46579, 46755..46928, 46817..46930		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o4.tm	Method	TBLASTX:Maize
Start	32041	End	46573
GI	none	Score	349
Exons	32041..32427, 32043..32399, 32043..32429, 32323..32430, 46388..46573, 46390..46572, 46415..46573		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o5.tw	Method	TBLASTX:Wheat
Start	32070	End	46581
GI	none	Score	73
Exons	32070..32273, 32082..32264, 32319..32489, 32329..32406, 46417..46581, 46429..46578		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o13.tm	Method	TBLASTX:Maize
Start	32436	End	46928
GI	none	Score	120
Exons	32436..32615, 32437..32613, 46839..46928		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o6.tw	Method	TBLASTX:Wheat
Start	32523	End	46907
GI	none	Score	143
Exons	32523..32702, 32727..32834, 46755..46907		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o3.tm	Method	TBLASTX:Maize
Start	32617	End	46838
GI	none	Score	372
Exons	32617..32904, 32619..32891, 32619..33008, 32689..33006, 46575..46640, 46581..46628, 46617..46838, 46618..46821, 46623..46838		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814

Name	OJ990821_44.9C20.C3.o1.tw	Method	TBLASTX:Wheat
Start	32835	End	33374
GI	none	Score	74
Exons	32835..33059, 33045..33374, 33069..33209, 33301..33372		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o1.ts	Method	TBLASTX:Soybean
Start	33060	End	33557
GI	5509260	Score	130
Exons	33060..33557, 33079..33237, 33301..33510		
GI Descrip.	-		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o3.tc	Method	TBLASTX:Cress
Start	33171	End	33435
GI	none	Score	83
Exons	33171..33434, 33304..33435		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o6.tm	Method	TBLASTX:Maize
Start	33210	End	33518
GI	none	Score	179
Exons	33210..33518, 33211..33516		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o2.tc	Method	TBLASTX:Cress
Start	34034	End	34474
GI	none	Score	60
Exons	34034..34156, 34178..34474, 34188..34334, 34392..34424		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o2.ts	Method	TBLASTX:Soybean
Start	34034	End	34489
GI	none	Score	161
Exons	34034..34156, 34181..34489, 34194..34484		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o2.tm	Method	TBLASTX:Maize
Start	34094	End	34504
GI	none	Score	549
Exons	34094..34504, 34095..34502		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814

Name	OJ990821_44.9C20.C3.o2.tw	Method	TBLASTX:Wheat
Start	34172	End	34723
GI	none	Score	42
Exons	34172..34252, 34185..34256, 34259..34525, 34359..34508, 34583..34723		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o5.ts	Method	TBLASTX:Soybean
Start	34583	End	34858
GI	none	Score	195
Exons	34583..34858, 34682..34762		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o3.tw	Method	TBLASTX:Wheat
Start	34796	End	35196
GI	none	Score	55
Exons	34796..34876, 34796..34876, 34868..34957, 34883..34963, 34968..35192, 34968..35195, 34969..35196		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o11.tm	Method	TBLASTX:Maize
Start	34919	End	35106
GI	none	Score	185
Exons	34919..34975, 34921..35106, 34964..35056, 34966..35103, 34968..35105		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o1.tm	Method	TBLASTX:Maize
Start	35121	End	35837
GI	none	Score	285
Exons	35121..35369, 35121..35372, 35222..35374, 35352..35483, 35386..35529, 35413..35541, 35414..35542, 35548..35580, 35550..35645, 35562..35837, 35563..35820		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o7.tm	Method	TBLASTX:Maize
Start	36071	End	36363
GI	none	Score	213
Exons	36071..36133, 36072..36362, 36072..36362, 36148..36363		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o5.tm	Method	TBLASTX:Maize
Start	38324	End	39947
GI	none	Score	67
Exons	38324..38404, 38326..38433, 38328..38441, 38331..38438,		

38485..38622, 38488..38619, 38489..38635, 38492..38632,
39268..39522, 39282..39329, 39372..39521, 39538..39633,
39539..39634, 39567..39638, 39631..39708, 39632..39712,
39647..39712, 39710..39775, 39713..39775, 39715..39786,
39791..39811, 39930..39947

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o10.tm	Method	TBLASTX:Maize
Start	43713	End	51025
GI	none	Score	54
Exons	43713..43769, 43827..43979, 43859..43981, 50436..50501, 50444..50503, 50952..51014, 50972..51025, 50974..51024		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o12.tm	Method	TBLASTX:Maize
Start	52852	End	53832
GI	none	Score	54
Exons	52852..52911, 52856..52909, 52898..53014, 52914..53012, 53529..53606, 53529..53606, 53545..53607, 53545..53685, 53707..53832, 53714..53824, 53716..53826		

Seq. No.	8180	Seq. ID	OJ990821_44.9C20.C3
Gene No.	17426	Strand	-
Start	56534	End	56814
Name	OJ990821_44.9C20.C3.o10.gs	Method	GENSCAN
Start	56534	End	56814
GI	none	Score	.83
Exons	56534..56695, 56758..56814		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17427	Strand	+
Start	2993	End	6418
Name	OJ990821_44.9C20.C4.o1.gs	Method	GENSCAN
Start	2993	End	4571
GI	none	Score	.9
Exons	2993..3050, 3620..3853, 3974..4067, 4094..4167, 4462..4571		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17427	Strand	+
Start	2993	End	6418
Name	OJ990821_44.9C20.C4.o1.np	Method	AAT/NAP
Start	3566	End	6418
GI	1076290	Score	1074
Exons	3566..3853, 3974..4067, 5319..5901, 5984..6418		
GI Descrip.	amino acid transporter AAP4 - Arabidopsis thaliana gi|608671|emb|CAA54631| (X77500) amino acid transporter [Arabidopsis thaliana]		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17427	Strand	+
Start	2993	End	6418
Name	OJ990821_44.9C20.C4.o1.gp	Method	AAT/GAP
Start	4042	End	5748

GI	uC-osflcyp061e04b1	Score	837
Exons	4042..4067, 5319..5748		
GI Descrip.	'1769887/emb|CAA65051| 7.0e-30 (X95736) amino acid permease 6 [Arabidopsis thaliana]'		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	3616	End	6418
GI	none	Score	180
Exons	3616..3855, 3618..3854, 3946..4089, 3969..4073, 5367..5534, 5368..5526, 5596..5904, 5616..5903, 5981..6082, 5983..6081, 6113..6418, 6157..6267		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	3616	End	6409
GI	none	Score	162
Exons	3616..3855, 3618..3812, 3946..4089, 3966..4085, 5320..5358, 5371..5580, 5430..5570, 5592..5894, 5593..5904, 5981..6082, 6103..6249, 6104..6409, 6298..6408		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o3.tm	Method	TBLASTX:Maize
Start	3618	End	4089
GI	none	Score	215
Exons	3618..3839, 3619..3852, 3946..4089, 3975..4064		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o2.gs	Method	GENSCAN
Start	5302	End	8529
GI	none	Score	.8
Exons	5302..5923, 5925..6443, 7930..8008, 8526..8529		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o2.tm	Method	TBLASTX:Maize
Start	5316	End	5538
GI	none	Score	334
Exons	5316..5537, 5320..5538		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	5541	End	6400
GI	none	Score	314
Exons	5541..5816, 5542..5817, 5838..5903, 5839..5904, 5983..6057, 5984..6400, 6106..6393		

Seq. No.	8181	Seq. ID	OJ990821_44.9C20.C4
Gene No.	17428	Strand	-
Start	5302	End	8529
Name	OJ990821_44.9C20.C4.o1.tw	Method	TBLASTX:Wheat
Start	5811	End	6286
GI	none	Score	145
Exons	5811..5912, 5812..5904, 5981..6070, 6125..6286, 6127..6252		

Seq. No.	8182	Seq. ID	OJ990821_44.9C20.C5
Gene No.	17429	Strand	-
Start	1189	End	1372
Name	OJ990821_44.9C20.C5.o1.gs	Method	GENSCAN
Start	1189	End	1372
GI	none	Score	.63
Exons	1189..1372		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17430	Strand	+
Start	6721	End	8574
Name	OJ990821_44.9C20.C6.o3.gs	Method	GENSCAN
Start	6721	End	8304
GI	none	Score	.85
Exons	6721..6832, 6917..7051, 7361..7954, 8033..8304		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17430	Strand	+
Start	6721	End	8574
Name	OJ990821_44.9C20.C6.o3.np	Method	AAT/NAP
Start	7222	End	8574
GI	3386534	Score	967
Exons	7222..7961, 8031..8574		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17431	Strand	-
Start	908	End	2136
Name	OJ990821_44.9C20.C6.o1.np	Method	AAT/NAP
Start	908	End	2136
GI	5922636	Score	430
Exons	908..1037, 1329..1563, 2058..2136		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17432	Strand	-
Start	4275	End	5709
Name	OJ990821_44.9C20.C6.o2.np	Method	AAT/NAP
Start	4272	End	5709
GI	3293031	Score	1460
Exons	4272..5709		
GI Descrip.	(AJ007574) amino acid carrier [Ricinus communis]		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6

Gene No.	17432	Strand	-
Start	4275	End	5709
Name	OJ990821_44.9C20.C6.o2.gs	Method	GENSCAN
Start	4275	End	5681
GI	none	Score	1
Exons	4275..5681		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17433	Strand	-
Start	8774	End	9241
Name	OJ990821_44.9C20.C6.o4.gs	Method	GENSCAN
Start	8774	End	9241
GI	none	Score	.49
Exons	8774..9067, 9185..9241		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o1.tc	Method	TBLASTX:Cress
Start	4377	End	5615
GI	none	Score	115
Exons	4377..4583, 4423..4584, 4590..5006, 4618..5010, 5002..5607, 5037..5615		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o1.ts	Method	TBLASTX:Soybean
Start	4377	End	5615
GI	none	Score	102
Exons	4377..4583, 4420..4584, 4599..4889, 4600..4890, 4887..5006, 4888..5004, 5020..5607, 5037..5615		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o1.tw	Method	TBLASTX:Wheat
Start	4398	End	4769
GI	none	Score	151
Exons	4398..4583, 4420..4575, 4594..4686, 4608..4682, 4608..4769, 4624..4764		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o1.tm	Method	TBLASTX:Maize
Start	4503	End	5060
GI	none	Score	512
Exons	4503..5060, 4504..5007		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o2.tm	Method	TBLASTX:Maize
Start	5085	End	5595
GI	none	Score	142
Exons	5085..5240, 5086..5238, 5118..5249, 5244..5594, 5284..5595		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o2.tw	Method	TBLASTX:Wheat
Start	8077	End	8361
GI	none	Score	266
Exons	8077..8361, 8083..8175, 8154..8288		

Seq. No.	8183	Seq. ID	OJ990821_44.9C20.C6
Gene No.	17434	Strand	-
Start	11185	End	13619
Name	OJ990821_44.9C20.C6.o5.gs	Method	GENSCAN
Start	11185	End	13619
GI	none	Score	.79
Exons	11185..11286, 13518..13619		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17435	Strand	+
Start	1219	End	4297
Name	OJ990821_44.9C20.C7.o1.gs	Method	GENSCAN
Start	1219	End	3891
GI	none	Score	.59
Exons	1219..1462, 2440..2553, 3233..3891		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17435	Strand	+
Start	1219	End	4297
Name	OJ990821_44.9C20.C7.o1.np	Method	AAT/NAP
Start	3205	End	4297
GI	6539555	Score	1046
Exons	3205..3882, 3986..4297		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17436	Strand	+
Start	15885	End	18643
Name	OJ990821_44.9C20.C7.o4.gs	Method	GENSCAN
Start	15885	End	18643
GI	none	Score	.77
Exons	15885..16036, 16303..16436, 16461..16562, 16910..17088, 18189..18392, 18437..18643		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17437	Strand	-
Start	5136	End	6839
Name	OJ990821_44.9C20.C7.o2.gs	Method	GENSCAN
Start	5136	End	6839
GI	none	Score	.92
Exons	5136..5424, 6331..6839		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17438	Strand	-
Start	10709	End	12250
Name	OJ990821_44.9C20.C7.o2.np	Method	AAT/NAP

Start	10709	End	12250
GI	6539577	Score	107
Exons	10709..10751, 12088..12250		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17439	Strand	-
Start	16219	End	18580
Name	OJ990821_44.9C20.C7.o3.np	Method	AAT/NAP
Start	16219	End	18580
GI	5922634	Score	106
Exons	16219..16244, 18441..18580		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17440	Strand	-
Start	18880	End	19145
Name	OJ990821_44.9C20.C7.o1.tw	Method	TBLASTX:Wheat
Start	4073	End	4321
GI	none	Score	235
Exons	4073..4321, 4216..4293		

Seq. No.	8184	Seq. ID	OJ990821_44.9C20.C7
Gene No.	17440	Strand	-
Start	18880	End	19145
Name	OJ990821_44.9C20.C7.o5.gs	Method	GENSCAN
Start	18880	End	19145
GI	none	Score	.44
Exons	18880..19002, 19060..19145		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17441	Strand	+
Start	1	End	7573
Name	OJ990821_44.9C20.C8.o1.np	Method	AAT/NAP
Start	1	End	3696
GI	5777623	Score	288
Exons	1..49, 343..568, 2846..2957, 3675..3696		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17441	Strand	+
Start	1	End	7573
Name	OJ990821_44.9C20.C8.o1.gs	Method	GENSCAN
Start	69	End	7120
GI	none	Score	.54
Exons	69..262, 290..456, 465..617, 2920..3080, 3906..4184, 4300..4334, 4421..5250, 5722..7120		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17441	Strand	+
Start	1	End	7573
Name	OJ990821_44.9C20.C8.o2.np	Method	AAT/NAP
Start	3452	End	7573
GI	6630696	Score	6087
Exons	3452..4336, 4581..5323, 5408..7573		

GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17441	Strand	+
Start	1	End	7573
Name	OJ990821_44.9C20.C8.o1.gp	Method	AAT/GAP
Start	3486	End	4184
GI	101595_1.R1084	Score	1247
Exons	3486..4184		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o4.tw	Method	TBLASTX:Wheat
Start	3346	End	3735
GI	none	Score	117
Exons	3346..3420, 3347..3463, 3476..3715, 3513..3734, 3553..3735, 3553..3735		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o4.tm	Method	TBLASTX:Maize
Start	3485	End	3796
GI	none	Score	307
Exons	3485..3796, 3486..3794		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o3.tm	Method	TBLASTX:Maize
Start	4574	End	4915
GI	none	Score	207
Exons	4574..4831, 4585..4806, 4586..4861, 4591..4833, 4862..4915		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o5.tm	Method	TBLASTX:Maize
Start	5045	End	5563
GI	none	Score	150
Exons	5045..5323, 5405..5563		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o6.tw	Method	TBLASTX:Wheat
Start	5122	End	5391
GI	none	Score	274
Exons	5122..5322, 5123..5323, 5335..5391, 5337..5381		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-

Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o3.ts	Method	TBLASTX:Soybean
Start	5398	End	5749
GI	none	Score	155
Exons	5398..5568, 5405..5572, 5576..5749		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o1.tw	Method	TBLASTX:Wheat
Start	5410	End	6154
GI	none	Score	290
Exons	5410..5868, 5410..6150, 5414..6154, 5963..6154		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	6074	End	6538
GI	5509260	Score	382
Exons	6074..6538, 6169..6330, 6361..6393		
GI Descrip.	-		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o1.tc	Method	TBLASTX:Cress
Start	6167	End	6427
GI	none	Score	288
Exons	6167..6427, 6169..6339		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o2.tm	Method	TBLASTX:Maize
Start	6208	End	6673
GI	none	Score	350
Exons	6208..6339, 6209..6673, 6344..6424, 6460..6513		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o3.tw	Method	TBLASTX:Wheat
Start	6209	End	6754
GI	none	Score	318
Exons	6209..6553, 6226..6393, 6545..6754, 6622..6744		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o2.ts	Method	TBLASTX:Soybean
Start	6607	End	6955
GI	none	Score	141
Exons	6607..6771, 6608..6766, 6766..6954, 6767..6955		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-

Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	6757	End	7106
GI	none	Score	354
Exons	6757..7104, 6758..7105, 6858..7106		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o4.ts	Method	TBLASTX:Soybean
Start	6956	End	7309
GI	none	Score	107
Exons	6956..7081, 6956..7081, 7099..7305, 7100..7309		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o2.tw	Method	TBLASTX:Wheat
Start	6961	End	7437
GI	none	Score	105
Exons	6961..7035, 6962..7036, 7051..7437, 7052..7435		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o2.gs	Method	GENSCAN
Start	8179	End	15961
GI	none	Score	.69
Exons	8179..8198, 8379..8476, 8647..8809, 9375..9487, 9940..10014, 11666..11839, 11937..12658, 14681..14792, 14821..14857, 15056..15148, 15895..15961		

Seq. No.	8185	Seq. ID	OJ990821_44.9C20.C8
Gene No.	17442	Strand	-
Start	8179	End	15961
Name	OJ990821_44.9C20.C8.o5.tw	Method	TBLASTX:Wheat
Start	9160	End	9549
GI	none	Score	320
Exons	9160..9549, 9169..9327, 9171..9482		

Seq. No.	8186	Seq. ID	OJ990821_44.9C20.C10
Gene No.	17443	Strand	-
Start	1653	End	1750
Name	OJ990821_44.9C20.C10.o1.gs	Method	GENSCAN
Start	1653	End	1750
GI	none	Score	.51
Exons	1653..1750		

Seq. No.	8186	Seq. ID	OJ990821_44.9C20.C10
Gene No.	17444	Strand	-
Start	1656	End	1989
Name	OJ990821_44.9C20.C10.o1.np	Method	AAT/NAP
Start	1656	End	1989
GI	5852178	Score	117
Exons	1656..1750, 1962..1989		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o1.np	Method	AAT/NAP
Start	533	End	1704
GI	4680179	Score	1644
Exons	533..1704		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o2.tw	Method	TBLASTX:Wheat
Start	580	End	913
GI	none	Score	56
Exons	580..663, 684..818, 769..813, 818..913, 837..911		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o1.gs	Method	GENSCAN
Start	627	End	1571
GI	none	Score	.7
Exons	627..794, 1066..1320, 1503..1571		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	771	End	1327
GI	none	Score	47
Exons	771..818, 818..928, 831..914, 896..1159, 916..1194, 1031..1195, 1192..1326, 1199..1327		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o1.tw	Method	TBLASTX:Wheat
Start	916	End	1532
GI	none	Score	156
Exons	916..1326, 949..1326, 1028..1333, 1329..1532, 1333..1476		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o2.tm	Method	TBLASTX:Maize
Start	1401	End	1692
GI	none	Score	206
Exons	1401..1580, 1405..1578, 1574..1690, 1575..1691, 1594..1692		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	1491	End	1703
GI	none	Score	42
Exons	1491..1559, 1491..1580, 1541..1591, 1583..1693, 1584..1703		

Seq. No.	8187	Seq. ID	OJ990821_44.9C20.C11
Gene No.	17445	Strand	-
Start	627	End	1704
Name	OJ990821_44.9C20.C11.o3.tw	Method	TBLASTX:Wheat
Start	1539	End	1703
GI	none	Score	141
Exons	1539..1580, 1574..1702, 1575..1703		

Seq. No.	8188	Seq. ID	OJ990821_44.9C20.C13
Gene No.	17446	Strand	-
Start	1	End	1124
Name	OJ990821_44.9C20.C13.o1.np	Method	AAT/NAP
Start	1	End	1124
GI	6815109	Score	97
Exons	1..207, 275..366, 1102..1124		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8189	Seq. ID	OJ990821_44.9C20.C14
Gene No.	17447	Strand	-
Start	81	End	633
Name	OJ990821_44.9C20.C14.o1.gs	Method	GENSCAN
Start	81	End	633
GI	none	Score	.82
Exons	81..633		

Seq. No.	8190	Seq. ID	OJ990821_44.9C20.C15
Gene No.	17448	Strand	-
Start	144	End	201
Name	OJ990821_44.9C20.C15.o1.gs	Method	GENSCAN
Start	144	End	201
GI	none	Score	.59
Exons	144..201		

Seq. No.	8191	Seq. ID	OJ990821_44.9C20.C17
Gene No.	17449	Strand	-
Start	1208	End	1720
Name	OJ990821_44.9C20.C17.o1.np	Method	AAT/NAP
Start	987	End	1720
GI	1705534	Score	35
Exons	987..1156, 1669..1720		
GI Descrip.	COLLAGEN ALPHA 2(I) CHAIN PRECURSOR gi|179596 (J03464) pre-pro-alpha-2 type I collagen [Homo sapiens]		

Seq. No.	8191	Seq. ID	OJ990821_44.9C20.C17
Gene No.	17449	Strand	-
Start	1208	End	1720
Name	OJ990821_44.9C20.C17.o1.gs	Method	GENSCAN
Start	1208	End	1424
GI	none	Score	.68
Exons	1208..1424		

Seq. No.	8192	Seq. ID	OJ990821_44.9C20.C18
Gene No.	17450	Strand	-
Start	115	End	314
Name	OJ990821_44.9C20.C18.o1.gs	Method	GENSCAN
Start	115	End	314

GI	none	Score	.82
Exons	115..314		

Seq. No.	8193	Seq. ID	OJ990821_44.9C20.C20
Gene No.	17451	Strand	-
Start	95	End	325
Name	OJ990821_44.9C20.C20.o1.gs	Method	GENSCAN
Start	95	End	325
GI	none	Score	.46
Exons	95..325		

Seq. No.	8194	Seq. ID	OJ990821_44.9C20.C21
Gene No.	17452	Strand	-
Start	712	End	1435
Name	OJ990821_44.9C20.C21.o1.np	Method	AAT/NAP
Start	712	End	1435
GI	4680179	Score	99
Exons	712..895, 1382..1435		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8194	Seq. ID	OJ990821_44.9C20.C21
Gene No.	17452	Strand	-
Start	712	End	1435
Name	OJ990821_44.9C20.C21.o1.gp	Method	AAT/GAP
Start	905	End	1270
GI	2309880	Score	655
Exons	905..1270		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	8194	Seq. ID	OJ990821_44.9C20.C21
Gene No.	17453	Strand	-
Start	1370	End	1435
Name	OJ990821_44.9C20.C21.o2.gp	Method	AAT/GAP
Start	1370	End	1435
GI	3106852	Score	102
Exons	1370..1435		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	8195	Seq. ID	OJ990821_44.9C20.C22
Gene No.	17454	Strand	-
Start	1	End	132
Name	OJ990821_44.9C20.C22.o1.np	Method	AAT/NAP
Start	1	End	132
GI	4680179	Score	215
Exons	1..132		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8195	Seq. ID	OJ990821_44.9C20.C22
Gene No.	17454	Strand	-
Start	1	End	132
Name	OJ990821_44.9C20.C22.o1.tw	Method	TBLASTX:Wheat
Start	1	End	132
GI	none	Score	128
Exons	1..132, 2..130		

Seq. No.	8195	Seq. ID	OJ990821_44.9C20.C22
Gene No.	17454	Strand	-
Start	1	End	132
Name	OJ990821_44.9C20.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	132
GI	none	Score	104
Exons	1..132, 2..127		

Seq. No.	8196	Seq. ID	OJ990821_44.9C20.C24
Gene No.	17455	Strand	+
Start	1017	End	1131
Name	OJ990821_44.9C20.C24.o1.gs	Method	GENSCAN
Start	1017	End	1131
GI	none	Score	.59
Exons	1017..1131		

Seq. No.	8196	Seq. ID	OJ990821_44.9C20.C24
Gene No.	17456	Strand	-
Start	867	End	1210
Name	OJ990821_44.9C20.C24.o1.np	Method	AAT/NAP
Start	867	End	1210
GI	81286	Score	73
Exons	867..1210		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	8197	Seq. ID	OJ990821_47.9C21.C1
Gene No.	17457	Strand	-
Start	398	End	703
Name	OJ990821_47.9C21.C1.o1.gs	Method	GENSCAN
Start	398	End	703
GI	none	Score	.85
Exons	398..703		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	4680207	Score	416
Exons	1..602, 993..1082		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o1.ts	Method	TBLASTX:Soybean
Start	10	End	642
GI	none	Score	118
Exons	10..45, 67..114, 112..345, 143..280, 154..345, 358..447, 361..414, 389..427, 553..642		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o1.tm	Method	TBLASTX:Maize

Start	106	End	360
GI	none	Score	153
Exons	106..348, 107..343, 130..360		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o1.tc	Method	TBLASTX:Cress
Start	145	End	684
GI	none	Score	50
Exons	145..321, 197..274, 316..444, 317..427, 631..684		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o1.tw	Method	TBLASTX:Wheat
Start	149	End	448
GI	none	Score	104
Exons	149..349, 151..348, 299..448, 346..438		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o2.tm	Method	TBLASTX:Maize
Start	361	End	687
GI	none	Score	53
Exons	361..438, 362..436, 473..541, 488..550, 562..684, 586..687		

Seq. No.	8198	Seq. ID	OJ990821_47.9C21.C2
Gene No.	17458	Strand	-
Start	1	End	1082
Name	OJ990821_47.9C21.C2.o2.np	Method	AAT/NAP
Start	391	End	1082
GI	3982612	Score	139
Exons	391..682, 995..1082		
GI Descrip.	(AF056150) disease resistance gene analog PIC11 [Zea mays]		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17459	Strand	+
Start	9713	End	11538
Name	OJ990821_47.9C21.C3.o3.np	Method	AAT/NAP
Start	9713	End	11538
GI	6523547	Score	95
Exons	9713..9850, 10442..10741, 11504..11538		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17460	Strand	-
Start	1	End	1429
Name	OJ990821_47.9C21.C3.o1.np	Method	AAT/NAP
Start	1	End	1429
GI	5902376	Score	101
Exons	1..36, 1041..1163, 1400..1429		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3

Gene No.	17461	Strand	-
Start	3637	End	4823
Name	OJ990821_47.9C21.C3.o2.gs	Method	GENSCAN
Start	3637	End	4823
GI	none	Score	.51
Exons	3637..3814, 4744..4823		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o3.gs	Method	GENSCAN
Start	6393	End	11489
GI	none	Score	.49
Exons	6393..6644, 6839..7157, 7194..9739, 9826..11053, 11092..11489		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o5.tm	Method	TBLASTX:Maize
Start	6809	End	7171
GI	none	Score	49
Exons	6809..6868, 6833..6868, 6872..7171, 6876..7067, 6878..7171		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o2.np	Method	AAT/NAP
Start	6826	End	11357
GI	3600044	Score	2031
Exons	6826..8344, 8609..8724, 8857..10211, 10499..11357		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o1.ts	Method	TBLASTX:Soybean
Start	6869	End	7474
GI	none	Score	139
Exons	6869..7474, 6987..7280		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o1.tm	Method	TBLASTX:Maize
Start	7181	End	7639
GI	none	Score	121
Exons	7181..7639, 7182..7340, 7319..7624, 7395..7628		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o1.tw	Method	TBLASTX:Wheat
Start	7238	End	7669
GI	none	Score	50
Exons	7238..7498, 7239..7334, 7306..7479, 7395..7496, 7508..7669, 7509..7661		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o3.tm	Method	TBLASTX:Maize
Start	7646	End	8051
GI	none	Score	346
Exons	7646..8050, 7653..8051		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o2.ts	Method	TBLASTX:Soybean
Start	7853	End	8347
GI	5509260	Score	111
Exons	7853..8347, 7854..8024		
GI Descrip.	-		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o3.tw	Method	TBLASTX:Wheat
Start	7866	End	8206
GI	none	Score	126
Exons	7866..8024, 7874..8200, 7874..8206		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o2.tc	Method	TBLASTX:Cress
Start	7964	End	8216
GI	none	Score	113
Exons	7964..8215, 7998..8216		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o6.tm	Method	TBLASTX:Maize
Start	8051	End	8303
GI	none	Score	208
Exons	8051..8302, 8085..8303		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o2.tw	Method	TBLASTX:Wheat
Start	8864	End	9244
GI	none	Score	128
Exons	8864..9244, 8895..9197		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o1.tc	Method	TBLASTX:Cress
Start	8885	End	9334
GI	none	Score	88
Exons	8885..9334, 8892..9083		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o3.ts	Method	TBLASTX:Soybean
Start	8906	End	9364
GI	none	Score	91
Exons	8906..9364, 9057..9212		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o2.tm	Method	TBLASTX:Maize
Start	8915	End	9374
GI	none	Score	206
Exons	8915..9292, 8916..9197, 8930..9265, 9267..9374, 9269..9370		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o7.tm	Method	TBLASTX:Maize
Start	9377	End	9697
GI	none	Score	52
Exons	9377..9475, 9405..9482, 9488..9697, 9492..9653		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o8.tm	Method	TBLASTX:Maize
Start	9810	End	10164
GI	none	Score	36
Exons	9810..9845, 9856..9987, 9878..9976, 9997..10164, 10013..10063		

Seq. No.	8199	Seq. ID	OJ990821_47.9C21.C3
Gene No.	17462	Strand	-
Start	6393	End	11489
Name	OJ990821_47.9C21.C3.o4.tm	Method	TBLASTX:Maize
Start	10828	End	11288
GI	none	Score	189
Exons	10828..11088, 10829..11068, 11139..11195, 11214..11288		

Seq. No.	8200	Seq. ID	OJ990821_47.9C21.C4
Gene No.	17463	Strand	+
Start	874	End	1067
Name	OJ990821_47.9C21.C4.o1.gs	Method	GENSCAN
Start	874	End	1067
GI	none	Score	.54
Exons	874..1067		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17464	Strand	+
Start	1	End	2518
Name	OJ990821_47.9C21.C5.o1.np	Method	AAT/NAP
Start	1	End	2411
GI	4972686	Score	139
Exons	1..37, 1370..1455, 1876..1999, 2179..2411		
GI Descrip.	(AF132150) unknown [Drosophila melanogaster]		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17464	Strand	+
Start	1	End	2518
Name	OJ990821_47.9C21.C5.o1.gs	Method	GENSCAN
Start	470	End	2518
GI	none	Score	.89
Exons	470..522, 636..761, 1354..1455, 1876..1995, 2177..2518		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17464	Strand	+
Start	1	End	2518
Name	OJ990821_47.9C21.C5.o1.gp	Method	AAT/GAP
Start	623	End	2317
GI	LIB3474-008-P1-K1-H1	Score	760
Exons	623..695, 1354..1455, 1876..1996, 2177..2317		
GI Descrip.	'287403/dbj|D10838|RICSBE1 4.0e-66 Rice gene for starch branching enzyme'		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17465	Strand	+
Start	4229	End	4416
Name	OJ990821_47.9C21.C5.o2.gp	Method	AAT/GAP
Start	4229	End	4416
GI	3761317	Score	267
Exons	4229..4416		
GI Descrip.	287403/dbj|D10838|RICSBE1 4.0e-66 Rice gene for starch branching enzyme		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17466	Strand	-
Start	3799	End	4527
Name	OJ990821_47.9C21.C5.o1.tm	Method	TBLASTX:Maize
Start	1841	End	1998
GI	none	Score	132
Exons	1841..1993, 1857..1997, 1864..1998		

Seq. No.	8201	Seq. ID	OJ990821_47.9C21.C5
Gene No.	17466	Strand	-
Start	3799	End	4527
Name	OJ990821_47.9C21.C5.o2.gs	Method	GENSCAN
Start	3799	End	4527
GI	none	Score	.96
Exons	3799..3876, 4426..4527		

Seq. No.	8202	Seq. ID	OJ990821_47.9C21.C6
Gene No.	17467	Strand	+
Start	110	End	766
Name	OJ990821_47.9C21.C6.o1.gs	Method	GENSCAN
Start	110	End	766
GI	none	Score	.59
Exons	110..180, 337..456, 549..766		

Seq. No.	8203	Seq. ID	OJ990821_47.9C21.C7
Gene No.	17468	Strand	-
Start	275	End	1194
Name	OJ990821_47.9C21.C7.o1.gs	Method	GENSCAN

Start	275	End	1194
GI	none	Score	.8
Exons	275..448, 1090..1194		

Seq. No.	8204	Seq. ID	OJ990821_47.9C21.C8
Gene No.	17469	Strand	+
Start	104	End	261
Name	OJ990821_47.9C21.C8.o1.gs	Method	GENSCAN
Start	104	End	261
GI	none	Score	.76
Exons	104..261		

Seq. No.	8205	Seq. ID	OJ990821_47.9C21.C9
Gene No.	17470	Strand	+
Start	1469	End	2925
Name	OJ990821_47.9C21.C9.o1.gs	Method	GENSCAN
Start	1469	End	2925
GI	none	Score	.76
Exons	1469..1659, 1742..1878, 2081..2168, 2789..2925		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17471	Strand	-
Start	195	End	2574
Name	OJ990821_47.9C21.C11.o1.gs	Method	GENSCAN
Start	195	End	2103
GI	none	Score	.78
Exons	195..690, 1186..1371, 1805..2103		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17471	Strand	-
Start	195	End	2574
Name	OJ990821_47.9C21.C11.o1.np	Method	AAT/NAP
Start	195	End	2574
GI	6911873	Score	580
Exons	195..690, 1186..1457, 1805..2029, 2511..2574		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17472	Strand	-
Start	3735	End	6523
Name	OJ990821_47.9C21.C11.o2.gs	Method	GENSCAN
Start	3735	End	6523
GI	none	Score	.59
Exons	3735..3873, 3997..4054, 4513..4673, 6516..6523		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o2.tm	Method	TBLASTX:Maize
Start	204	End	1896
GI	none	Score	72
Exons	204..272, 402..680, 409..513, 559..648, 1185..1229, 1239..1433, 1240..1434, 1855..1896		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182

Name	OJ990821_47.9C21.C11.o3.ts	Method	TBLASTX:Soybean
Start	390	End	611
GI	none	Score	89
Exons	390..611, 409..585		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o2.tc	Method	TBLASTX:Cress
Start	420	End	1956
GI	none	Score	61
Exons	420..662, 445..513, 559..663, 1194..1406, 1204..1404, 1855..1956, 1877..1954		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o2.ts	Method	TBLASTX:Soybean
Start	1185	End	1421
GI	none	Score	36
Exons	1185..1229, 1192..1230, 1239..1421, 1240..1416		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o2.np	Method	AAT/NAP
Start	7218	End	9182
GI	2980765	Score	572
Exons	7218..7255, 8334..8497, 8530..8794, 8956..9182		
GI Descrip.	(AL022198) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o3.gs	Method	GENSCAN
Start	8014	End	9060
GI	none	Score	.87
Exons	8014..8277, 8365..8492, 8569..8794, 8956..9060		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o1.tm	Method	TBLASTX:Maize
Start	8227	End	9081
GI	none	Score	37
Exons	8227..8289, 8228..8290, 8350..8490, 8351..8491, 8565..8750, 8570..8833, 8603..8833, 8956..9081, 8981..9076		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11
Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o1.ts	Method	TBLASTX:Soybean
Start	8431	End	8774
GI	none	Score	51
Exons	8431..8493, 8432..8494, 8573..8773, 8580..8774		

Seq. No.	8206	Seq. ID	OJ990821_47.9C21.C11

Gene No.	17473	Strand	-
Start	7218	End	9182
Name	OJ990821_47.9C21.C11.o1.tc	Method	TBLASTX:Cress
Start	8565	End	8752
GI	none	Score	130
Exons	8565..8744, 8570..8752		

Seq. No.	8207	Seq. ID	OJ990821_47.9C21.C13
Gene No.	17474	Strand	-
Start	1	End	1642
Name	OJ990821_47.9C21.C13.o1.np	Method	AAT/NAP
Start	1	End	1642
GI	4680207	Score	308
Exons	1..620, 1604..1642		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8207	Seq. ID	OJ990821_47.9C21.C13
Gene No.	17474	Strand	-
Start	1	End	1642
Name	OJ990821_47.9C21.C13.o1.gs	Method	GENSCAN
Start	14	End	614
GI	none	Score	.67
Exons	14..614		

Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17475	Strand	+
Start	427	End	819
Name	OJ990821_47.9C21.C14.o1.gs	Method	GENSCAN
Start	427	End	819
GI	none	Score	.64
Exons	427..819		

Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17476	Strand	-
Start	606	End	1138
Name	OJ990821_47.9C21.C14.o1.np	Method	AAT/NAP
Start	606	End	1138
GI	2224911	Score	330
Exons	606..680, 890..1138		
GI Descrip.	(U93048) somatic embryogenesis receptor-like kinase [Daucus carota]		

Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17476	Strand	-
Start	606	End	1138
Name	OJ990821_47.9C21.C14.o1.tm	Method	TBLASTX:Maize
Start	674	End	1134
GI	none	Score	183
Exons	674..718, 890..1087, 891..1127, 897..1127, 943..1134		

Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17476	Strand	-
Start	606	End	1138
Name	OJ990821_47.9C21.C14.o1.ts	Method	TBLASTX:Soybean
Start	674	End	1137
GI	none	Score	183

Exons	674..718, 863..1087, 891..1127, 891..1127, 952..1137		
Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17476	Strand	-
Start	606	End	1138
Name	OJ990821_47.9C21.C14.o1.tc	Method	TBLASTX:Cress
Start	900	End	1127
GI	none	Score	86
Exons	900..1127, 911..1087		
Seq. No.	8208	Seq. ID	OJ990821_47.9C21.C14
Gene No.	17476	Strand	-
Start	606	End	1138
Name	OJ990821_47.9C21.C14.o1.tw	Method	TBLASTX:Wheat
Start	914	End	1109
GI	none	Score	89
Exons	914..1087, 915..1088, 972..1109		
Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17477	Strand	+
Start	176	End	387
Name	OJ990821_47.9C21.C15.o1.gp	Method	AAT/GAP
Start	176	End	387
GI	17923_1.R1084	Score	388
Exons	176..387		
GI Descrip.	'2224911 2.0e-80 (U93048) somatic embryogenesis receptor-like kinase [Daucus carota]'		
Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.tm	Method	TBLASTX:Maize
Start	172	End	1005
GI	none	Score	187
Exons	172..351, 175..363, 362..568, 365..574, 369..578, 370..591, 649..777, 650..772, 667..777, 769..792, 849..908, 854..904, 908..979, 909..992, 910..1005		
Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.ts	Method	TBLASTX:Soybean
Start	183	End	979
GI	none	Score	81
Exons	183..302, 193..351, 193..363, 206..370, 284..364, 369..578, 370..591, 442..549, 649..777, 665..772, 667..777, 769..792, 849..905, 854..904, 908..979		
Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.np	Method	AAT/NAP
Start	184	End	1793
GI	4490310	Score	701
Exons	184..578, 661..1020, 1676..1793		
GI Descrip.	(AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.gs	Method	GENSCAN
Start	216	End	1654
GI	none	Score	.85
Exons	216..577, 1021..1045, 1418..1654		

Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.tw	Method	TBLASTX:Wheat
Start	220	End	557
GI	none	Score	146
Exons	220..348, 390..557		

Seq. No.	8209	Seq. ID	OJ990821_47.9C21.C15
Gene No.	17478	Strand	-
Start	216	End	1793
Name	OJ990821_47.9C21.C15.o1.tc	Method	TBLASTX:Cress
Start	256	End	905
GI	none	Score	87
Exons	256..363, 284..364, 365..499, 661..777, 668..757, 849..905,	369..584, 854..904	380..493, 442..549,

Seq. No.	8210	Seq. ID	OJ990821_47.9C21.C16
Gene No.	17479	Strand	-
Start	443	End	717
Name	OJ990821_47.9C21.C16.o1.np	Method	AAT/NAP
Start	443	End	717
GI	3980401	Score	82
Exons	443..717		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	8210	Seq. ID	OJ990821_47.9C21.C16
Gene No.	17479	Strand	-
Start	443	End	717
Name	OJ990821_47.9C21.C16.o1.gs	Method	GENSCAN
Start	447	End	670
GI	none	Score	.9
Exons	447..670		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	5091623	Score	1348
Exons	1..326, 409..802, 996..1306		
GI Descrip.	(AC007454) Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+

Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	876
GI	none	Score	516
Exons	1..81, 2..352, 5..319, 6..326, 118..348, 391..759, 395..772, 408..773, 779..811, 820..876, 820..858		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.ts	Method	TBLASTX:Soybean
Start	1	End	776
GI	none	Score	513
Exons	1..81, 2..352, 2..319, 3..335, 118..354, 395..772, 408..773, 685..774, 687..776		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.tc	Method	TBLASTX:Cress
Start	74	End	536
GI	none	Score	356
Exons	74..325, 74..319, 121..327, 121..321, 398..529, 401..535, 408..536		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.gs	Method	GENSCAN
Start	90	End	2456
GI	none	Score	.8
Exons	90..326, 409..776, 996..1305, 1657..1711, 1747..1837, 2249..2286, 2402..2456		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.tw	Method	TBLASTX:Wheat
Start	431	End	749
GI	none	Score	315
Exons	431..667, 432..749		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o1.gp	Method	AAT/GAP
Start	451	End	748
GI	428891	Score	589
Exons	451..748		
GI Descrip.	4490310/emb|CAB38801.1| 2.0e-45 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o2.tc	Method	TBLASTX:Cress
Start	536	End	1190

GI	none	Score	292
Exons	536..757, 537..758, 1038..1163, 1070..1162, 1160..1189, 1164..1190		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o2.tm	Method	TBLASTX:Maize
Start	979	End	1309
GI	none	Score	160
Exons	979..1170, 1038..1163, 1144..1245, 1164..1238, 1253..1309, 1255..1308		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o2.ts	Method	TBLASTX:Soybean
Start	1038	End	1309
GI	none	Score	169
Exons	1038..1163, 1056..1160, 1061..1162, 1160..1189, 1164..1235, 1252..1308, 1253..1309		

Seq. No.	8211	Seq. ID	OJ990821_47.9C21.C17
Gene No.	17480	Strand	+
Start	1	End	2456
Name	OJ990821_47.9C21.C17.o2.gp	Method	AAT/GAP
Start	1169	End	1732
GI	none	Score	1071
Exons	1169..1732		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17481	Strand	+
Start	9759	End	15697
Name	OJ990821_47.9C21.C19.o5.np	Method	AAT/NAP
Start	9759	End	15697
GI	4680207	Score	455
Exons	9759..9781, 11946..12793, 15652..15697		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17481	Strand	+
Start	9759	End	15697
Name	OJ990821_47.9C21.C19.o2.gs	Method	GENSCAN
Start	11961	End	12827
GI	none	Score	.47
Exons	11961..12827		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17482	Strand	-
Start	1137	End	10933
Name	OJ990821_47.9C21.C19.o1.gs	Method	GENSCAN
Start	1137	End	10933
GI	none	Score	.43
Exons	1137..1293, 4623..4770, 4956..5084, 5520..5965, 6001..6095, 6363..6667, 6779..6871, 6916..7156, 7481..7677, 8319..8466, 8558..9618, 9699..9812, 9912..10141, 10189..10333, 10562..10820,		

10850..10933

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17482	Strand	-
Start	1137	End	10933
Name	OJ990821_47.9C21.C19.o1.np	Method	AAT/NAP
Start	3309	End	9706
GI	6069646	Score	962
Exons	3309..3352, 4400..5336, 5617..6413, 9687..9706		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o3.tm	Method	TBLASTX:Maize
Start	4416	End	4934
GI	none	Score	84
Exons	4416..4934, 4630..4866		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o4.tm	Method	TBLASTX:Maize
Start	5160	End	5393
GI	none	Score	114
Exons	5160..5393, 5161..5382		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o1.tw	Method	TBLASTX:Wheat
Start	5316	End	5755
GI	none	Score	50
Exons	5316..5477, 5317..5439, 5446..5754, 5453..5755		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o1.tm	Method	TBLASTX:Maize
Start	5397	End	6079
GI	none	Score	68
Exons	5397..5438, 5434..5958, 5519..5647, 5723..5836, 5847..5912, 5957..6079		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o2.tm	Method	TBLASTX:Maize
Start	6081	End	6578
GI	none	Score	52
Exons	6081..6161, 6116..6160, 6198..6410, 6198..6422, 6444..6578, 6469..6537		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o6.tm	Method	TBLASTX:Maize
Start	6591	End	7006
GI	none	Score	66
Exons	6591..6854, 6899..7006		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o2.tw	Method	TBLASTX:Wheat
Start	7001	End	7390
GI	none	Score	188
Exons	7001..7390		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o7.tm	Method	TBLASTX:Maize
Start	7226	End	7462
GI	none	Score	116
Exons	7226..7330, 7328..7462		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o8.tm	Method	TBLASTX:Maize
Start	11946	End	12230
GI	none	Score	190
Exons	11946..12230		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o5.tm	Method	TBLASTX:Maize
Start	12423	End	12695
GI	none	Score	87
Exons	12423..12512, 12424..12474, 12537..12695, 12557..12694		

Seq. No.	8212	Seq. ID	OJ990821_47.9C21.C19
Gene No.	17483	Strand	-
Start	13750	End	15637
Name	OJ990821_47.9C21.C19.o3.gs	Method	GENSCAN
Start	13750	End	15637
GI	none	Score	.53
Exons	13750..13836, 14342..14375, 15423..15637		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17484	Strand	+
Start	1322	End	3759
Name	OJ990821_47.9C21.C20.o2.gs	Method	GENSCAN
Start	1322	End	3759
GI	none	Score	.57
Exons	1322..1383, 1622..2934, 3140..3759		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20

Gene No.	17484	Strand	+
Start	1322	End	3759
Name	OJ990821_47.9C21.C20.o1.np	Method	AAT/NAP
Start	1702	End	3524
GI	4680207	Score	668
Exons	1702..3524		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17485	Strand	-
Start	204	End	765
Name	OJ990821_47.9C21.C20.o1.gs	Method	GENSCAN
Start	204	End	765
GI	none	Score	.93
Exons	204..548, 763..765		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17486	Strand	
Start	1608	End	2805
Name	OJ990821_47.9C21.C20.o1.tc	Method	TBLASTX:Cress
Start	1608	End	2678
GI	none	Score	79
Exons	1608..1676, 1806..1988, 1862..1987, 1983..2159, 2030..2107, 2271..2342, 2580..2678		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17486	Strand	
Start	1608	End	2805
Name	OJ990821_47.9C21.C20.o1.ts	Method	TBLASTX:Soybean
Start	1662	End	2741
GI	none	Score	70
Exons	1662..1751, 1857..1940, 1883..2173, 1959..2180, 2187..2237, 2256..2330, 2448..2474, 2580..2741, 2604..2702		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17486	Strand	
Start	1608	End	2805
Name	OJ990821_47.9C21.C20.o2.tw	Method	TBLASTX:Wheat
Start	1862	End	2155
GI	none	Score	101
Exons	1862..1936, 1866..1958, 1880..2155, 1956..2153, 2012..2155		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17486	Strand	
Start	1608	End	2805
Name	OJ990821_47.9C21.C20.o1.tm	Method	TBLASTX:Maize
Start	1865	End	2339
GI	none	Score	86
Exons	1865..1942, 1866..1946, 2010..2174, 2021..2158, 2160..2261, 2274..2339		

Seq. No.	8213	Seq. ID	OJ990821_47.9C21.C20
Gene No.	17486	Strand	
Start	1608	End	2805
Name	OJ990821_47.9C21.C20.o1.tw	Method	TBLASTX:Wheat
Start	2403	End	2805

GI	none	Score	288
Exons	2403..2804, 2430..2510, 2447..2800, 2668..2805		

Seq. No.	8214	Seq. ID	OJ990821_47.9C21.C21
Gene No.	17487	Strand	+
Start	32	End	1205
Name	OJ990821_47.9C21.C21.o1.gs	Method	GENSCAN
Start	32	End	1205
GI	none	Score	.72
Exons	32..81, 640..739, 746..929, 1093..1205		

Seq. No.	8215	Seq. ID	OJ990821_47.9C21.C25
Gene No.	17488	Strand	-
Start	1	End	105
Name	OJ990821_47.9C21.C25.o1.gp	Method	AAT/GAP
Start	1	End	105
GI	2800656	Score	206
Exons	1..105		

Seq. No.	8216	Seq. ID	OJ990821_47.9C21.C27
Gene No.	17489	Strand	-
Start	107	End	167
Name	OJ990821_47.9C21.C27.o1.gs	Method	GENSCAN
Start	107	End	167
GI	none	Score	.95
Exons	107..167		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17490	Strand	+
Start	1	End	413
Name	OJ990821_47.9C21.C28.o2.gp	Method	AAT/GAP
Start	1	End	375
GI	93276_1.R1084	Score	586
Exons	1..375		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-45 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17490	Strand	+
Start	1	End	413
Name	OJ990821_47.9C21.C28.o1.gs	Method	GENSCAN
Start	78	End	413
GI	none	Score	.88
Exons	78..413		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17491	Strand	+
Start	2305	End	5497
Name	OJ990821_47.9C21.C28.o2.gs	Method	GENSCAN
Start	2305	End	5404
GI	none	Score	.93
Exons	2305..2723, 2867..2999, 3079..3182, 3856..4027, 4118..4258, 4331..5404		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17491	Strand	+

Start	2305	End	5497
Name	OJ990821_47.9C21.C28.o3.gp	Method	AAT/GAP
Start	2597	End	3155
GI	572452	Score	646
Exons	2597..2757, 2867..2999, 3079..3155		
GI Descrip.	5091622/gb|AAD39610.1|AC007454_9 1.0e-17 (AC007454) F23M19.10 [Arabidopsis thaliana]		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17491	Strand	+
Start	2305	End	5497
Name	OJ990821_47.9C21.C28.o1.np	Method	AAT/NAP
Start	2690	End	5397
GI	5091622	Score	794
Exons	2690..2757, 2867..2999, 3079..3182, 3856..4027, 4118..4258, 4331..4672, 4880..4987, 5063..5397		
GI Descrip.	(AC007454) F23M19.10 [Arabidopsis thaliana]		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17491	Strand	+
Start	2305	End	5497
Name	OJ990821_47.9C21.C28.o5.gp	Method	AAT/GAP
Start	5267	End	5497
GI	2797832	Score	378
Exons	5267..5497		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17492	Strand	+
Start	6668	End	8760
Name	OJ990821_47.9C21.C28.o3.gs	Method	GENSCAN
Start	6668	End	8760
GI	none	Score	.63
Exons	6668..6787, 7827..7951, 8574..8760		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17493	Strand	+
Start	10045	End	19537
Name	OJ990821_47.9C21.C28.o4.gs	Method	GENSCAN
Start	10045	End	19108
GI	none	Score	.63
Exons	10045..10190, 10819..11536, 11955..12152, 13218..13376, 14147..14814, 15253..15700, 16237..16332, 17146..17238, 17319..17513, 18074..18166, 18341..18553, 18631..18757, 18879..19108		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17493	Strand	+
Start	10045	End	19537
Name	OJ990821_47.9C21.C28.o6.gp	Method	AAT/GAP
Start	14480	End	14819
GI	286760	Score	648
Exons	14480..14819		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17493	Strand	+
Start	10045	End	19537
Name	OJ990821_47.9C21.C28.o2.np	Method	AAT/NAP

Start	16258	End	19105
GI	5002704	Score	235
Exons	16258..16332, 17146..17238, 17319..17453, 18092..18169, 18352..18553, 18631..18720, 18947..19105		
GI Descrip.	(AJ242630) DNA polymerase I [Methylobacterium sp. DM4]		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17493	Strand	+
Start	10045	End	19537
Name	OJ990821_47.9C21.C28.o7.gp	Method	AAT/GAP
Start	18786	End	19537
GI	93276_1.R1084	Score	1465
Exons	18786..19537		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-45 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17494	Strand	-
Start	1	End	481
Name	OJ990821_47.9C21.C28.o1.gp	Method	AAT/GAP
Start	1	End	481
GI	93276_1.R1084	Score	587
Exons	1..374, 451..481		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-45 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17495	Strand	-
Start	4815	End	5198
Name	OJ990821_47.9C21.C28.o4.gp	Method	AAT/GAP
Start	4815	End	5198
GI	none	Score	711
Exons	4815..5198		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o1.tm	Method	TBLASTX:Maize
Start	2855	End	5651
GI	none	Score	129
Exons	2855..3001, 2856..3002, 3073..3183, 3078..3173, 3848..4033, 3853..4023, 4111..4257, 4121..4258, 4139..4258, 4331..4468, 4334..4462, 4463..4573, 4466..4573, 4700..4771, 4712..4771, 4799..4897, 4807..4881, 4901..4963, 4949..5002, 4950..5003, 4991..5056, 5026..5055, 5057..5395, 5082..5417, 5159..5356, 5166..5390, 5242..5391, 5507..5530, 5508..5534, 5509..5538, 5591..5650, 5594..5650, 5595..5651		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o1.tw	Method	TBLASTX:Wheat
Start	2861	End	3147
GI	none	Score	124
Exons	2861..3001, 2868..3002, 3073..3147, 3078..3146		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o2.tc	Method	TBLASTX:Cress
Start	2868	End	3159
GI	none	Score	114
Exons	2868..3002, 2951..3001, 3073..3159, 3078..3158		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o2.ts	Method	TBLASTX:Soybean
Start	2868	End	4183
GI	none	Score	113
Exons	2868..3002, 2951..3001, 3073..3183, 3078..3173, 3848..4033, 3853..4023, 3854..4036, 4120..4146, 4139..4183		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o1.tc	Method	TBLASTX:Cress
Start	11381	End	14239
GI	none	Score	125
Exons	11381..11545, 11948..12028, 11952..12032, 12041..12088, 12042..12089, 12077..12154, 12090..12173, 14119..14238, 14147..14239, 14150..14239		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o2.tm	Method	TBLASTX:Maize
Start	14350	End	14665
GI	none	Score	303
Exons	14350..14562, 14351..14563, 14351..14563, 14557..14664, 14558..14665, 14561..14665		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o4.tm	Method	TBLASTX:Maize
Start	15245	End	15700
GI	none	Score	153
Exons	15245..15385, 15256..15393, 15257..15379, 15262..15381, 15412..15495, 15412..15495, 15425..15502, 15434..15502, 15521..15700, 15577..15699		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o3.tc	Method	TBLASTX:Cress
Start	15551	End	17445
GI	none	Score	195
Exons	15551..15673, 15554..15706, 15564..15701, 15565..15705, 16227..16331, 16237..16332, 17115..17210, 17137..17184, 17188..17256, 17318..17368, 17319..17348, 17351..17410, 17358..17411, 17415..17444, 17416..17445		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o1.ts	Method	TBLASTX:Soybean
Start	17312	End	18523
GI	none	Score	103
Exons	17312..17422, 17316..17501, 17319..17513, 18064..18168, 18072..18167, 18074..18169, 18338..18523, 18340..18489		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o3.tm	Method	TBLASTX:Maize
Start	17475	End	19110
GI	none	Score	68
Exons	17475..17513, 18067..18168, 18074..18169, 18336..18554, 18338..18553, 18340..18558, 18627..18722, 18628..18729, 18628..18729, 18906..19037, 18927..19109, 18929..19072, 18940..19110		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o4.tc	Method	TBLASTX:Cress
Start	18449	End	19072
GI	none	Score	47
Exons	18449..18484, 18509..18553, 18620..18727, 18628..18729, 18628..18729, 18938..19072, 18946..19071		

Seq. No.	8217	Seq. ID	OJ990821_47.9C21.C28
Gene No.	17496	Strand	-
Start	20596	End	20706
Name	OJ990821_47.9C21.C28.o5.gs	Method	GENSCAN
Start	20596	End	20706
GI	none	Score	.65
Exons	20596..20706		

Seq. No.	8218	Seq. ID	OJ990821_47.9C21.C31
Gene No.	17497	Strand	+
Start	340	End	461
Name	OJ990821_47.9C21.C31.o1.gs	Method	GENSCAN
Start	340	End	461
GI	none	Score	.75
Exons	340..461		

Seq. No.	8219	Seq. ID	OJ990821_47.9C21.C32
Gene No.	17498	Strand	-
Start	10	End	354
Name	OJ990821_47.9C21.C32.o1.gs	Method	GENSCAN
Start	10	End	333
GI	none	Score	.97
Exons	10..333		

Seq. No.	8219	Seq. ID	OJ990821_47.9C21.C32
Gene No.	17498	Strand	-
Start	10	End	354

Name	OJ990821_47.9C21.C32.o1.tm	Method	TBLASTX:Maize
Start	16	End	354
GI	none	Score	50
Exons	16..102, 16..153, 23..148, 159..341, 174..350, 199..354, 205..342, 227..349		

Seq. No.	8220	Seq. ID	OJ990821_47.9C21.C33
Gene No.	17499	Strand	-
Start	29	End	138
Name	OJ990821_47.9C21.C33.o1.gs	Method	GENSCAN
Start	29	End	138
GI	none	Score	.74
Exons	29..138		

Seq. No.	8221	Seq. ID	OJ990821_47.9C21.C34
Gene No.	17500	Strand	+
Start	180	End	309
Name	OJ990821_47.9C21.C34.o1.gs	Method	GENSCAN
Start	180	End	309
GI	none	Score	.55
Exons	180..309		

Seq. No.	8222	Seq. ID	OJ990821_47.9C21.C36
Gene No.	17501	Strand	+
Start	248	End	429
Name	OJ990821_47.9C21.C36.o1.np	Method	AAT/NAP
Start	248	End	429
GI	6862923	Score	95
Exons	248..429		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	8222	Seq. ID	OJ990821_47.9C21.C36
Gene No.	17501	Strand	+
Start	248	End	429
Name	OJ990821_47.9C21.C36.o1.gs	Method	GENSCAN
Start	329	End	402
GI	none	Score	.43
Exons	329..402		

Seq. No.	8223	Seq. ID	OJ990821_47.9C21.C41
Gene No.	17502	Strand	+
Start	297	End	368
Name	OJ990821_47.9C21.C41.o1.gs	Method	GENSCAN
Start	297	End	368
GI	none	Score	.72
Exons	297..368		

Seq. No.	8224	Seq. ID	OJ990531_36.9C03.C5
Gene No.	17503	Strand	+
Start	1	End	186
Name	OJ990531_36.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	186
GI	6815052	Score	82
Exons	1..186		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	8225	Seq. ID	OJ990531_36.9C03.C6

Gene No.	17504	Strand	-
Start	1	End	638
Name	OJ990531_36.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	638
GI	5852180	Score	239
Exons	1..79, 411..638		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8225	Seq. ID	OJ990531_36.9C03.C6
Gene No.	17504	Strand	-
Start	1	End	638
Name	OJ990531_36.9C03.C6.o1.gs	Method	GENSCAN
Start	380	End	579
GI	none	Score	.62
Exons	380..579		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17505	Strand	+
Start	1057	End	2461
Name	OJ990531_36.9C03.C7.o1.np	Method	AAT/NAP
Start	1057	End	2461
GI	6721512	Score	57
Exons	1057..1162, 2428..2461		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17505	Strand	+
Start	1057	End	2461
Name	OJ990531_36.9C03.C7.o1.gs	Method	GENSCAN
Start	1097	End	2057
GI	none	Score	.73
Exons	1097..1288, 1461..1539, 1562..1581, 1989..2057		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17506	Strand	+
Start	13006	End	18298
Name	OJ990531_36.9C03.C7.o3.gs	Method	GENSCAN
Start	13006	End	18298
GI	none	Score	.91
Exons	13006..13128, 14350..14427, 14513..15031, 15113..15331, 15636..15797, 16124..16492, 16618..17482, 17575..17678, 17775..17972, 18071..18298		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17506	Strand	+
Start	13006	End	18298
Name	OJ990531_36.9C03.C7.o2.np	Method	AAT/NAP
Start	13868	End	18124
GI	5262163	Score	1581
Exons	13868..13974, 14488..15035, 15117..15331, 15636..15797, 16124..16492, 16618..17202, 17559..17678, 17775..17972, 18037..18124		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17506	Strand	+
Start	13006	End	18298

Name	OJ990531_36.9C03.C7.o1.gp	Method	AAT/GAP
Start	17389	End	18111
GI	LIB3434-041-P1-K1-C11	Score	781
Exons	17389..17482, 17575..17678, 17775..17972, 18071..18111		
GI Descrip.	'4926825/gb|AAD32935.1|AC004135_10 2.0e-35 (AC004135) T17H7.10 [Arabidopsis thaliana]'		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17507	Strand	+
Start	24350	End	30121
Name	OJ990531_36.9C03.C7.o5.gs	Method	GENSCAN
Start	24350	End	30121
GI	none	Score	.66
Exons	24350..24534, 25010..25035, 25394..25488, 25834..26015, 26088..26435, 26785..26978, 27143..27301, 29961..30121		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17507	Strand	+
Start	24350	End	30121
Name	OJ990531_36.9C03.C7.o4.np	Method	AAT/NAP
Start	28818	End	29584
GI	4680183	Score	184
Exons	28818..28886, 29493..29584		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17508	Strand	+
Start	30751	End	33903
Name	OJ990531_36.9C03.C7.o6.gs	Method	GENSCAN
Start	30751	End	33903
GI	none	Score	.55
Exons	30751..30846, 31879..32007, 32161..32322, 32727..32975, 33033..33164, 33709..33903		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17509	Strand	+
Start	40717	End	49626
Name	OJ990531_36.9C03.C7.o9.gs	Method	GENSCAN
Start	40717	End	49321
GI	none	Score	.46
Exons	40717..40731, 41188..41353, 41426..41562, 41696..41780, 42496..42658, 42976..43129, 43640..43692, 43821..44035, 44202..44541, 44593..44901, 44990..45192, 45294..45352, 45948..46127, 46853..46939, 47439..47641, 47911..48190, 48276..48347, 48844..48960, 49055..49120, 49205..49321		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17509	Strand	+
Start	40717	End	49626
Name	OJ990531_36.9C03.C7.o4.gp	Method	AAT/GAP
Start	45158	End	49626
GI	10672_1.R1084	Score	2459
Exons	45158..45254, 46872..46939, 47439..47641, 47911..48190, 48276..48347, 48844..48960, 49055..49120, 49205..49626		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1		

[Solanum tuberosum]'

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17509	Strand	+
Start	40717	End	49626
Name	OJ990531_36.9C03.C7.o7.np	Method	AAT/NAP
Start	47479	End	49318
GI	82263	Score	1103
Exons	47479..47641, 47911..48190, 48276..48347, 48844..48960, 49055..49120, 49205..49318		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17510	Strand	-
Start	3167	End	3503
Name	OJ990531_36.9C03.C7.o2.gs	Method	GENSCAN
Start	3167	End	3503
GI	none	Score	.54
Exons	3167..3178, 3284..3361, 3450..3503		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17511	Strand	-
Start	18710	End	23681
Name	OJ990531_36.9C03.C7.o3.np	Method	AAT/NAP
Start	18710	End	20954
GI	2213632	Score	606
Exons	18710..18797, 20193..20954		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17511	Strand	-
Start	18710	End	23681
Name	OJ990531_36.9C03.C7.o4.gs	Method	GENSCAN
Start	19643	End	23681
GI	none	Score	.41
Exons	19643..19659, 20017..20229, 20338..20583, 20735..20997, 21048..21564, 21820..21886, 22694..23365, 23424..23681		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17512	Strand	-
Start	30989	End	32987
Name	OJ990531_36.9C03.C7.o5.np	Method	AAT/NAP
Start	30989	End	32987
GI	1666236	Score	234
Exons	30989..31007, 32483..32987		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17512	Strand	-
Start	30989	End	32987
Name	OJ990531_36.9C03.C7.o2.gp	Method	AAT/GAP
Start	31537	End	31643
GI	uC-osflcyp088b12b1	Score	144
Exons	31537..31643		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17513	Strand	-
Start	34308	End	38379
Name	OJ990531_36.9C03.C7.o7.gs	Method	GENSCAN
Start	34308	End	38310
GI	none	Score	.87
Exons	34308..34616, 35232..35518, 36363..36548, 37807..37976, 38162..38310		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17513	Strand	-
Start	34308	End	38379
Name	OJ990531_36.9C03.C7.o3.gp	Method	AAT/GAP
Start	38096	End	38379
GI	none	Score	375
Exons	38096..38138, 38196..38379		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17514	Strand	-
Start	38777	End	39603
Name	OJ990531_36.9C03.C7.o8.gs	Method	GENSCAN
Start	38777	End	39603
GI	none	Score	.55
Exons	38777..38855, 39524..39603		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17515	Strand	-
Start	51918	End	53306
Name	OJ990531_36.9C03.C7.o5.gp	Method	AAT/GAP
Start	51861	End	53081
GI	LIB3433-034-P1-K1-D10	Score	701
Exons	51861..52126, 52926..53081		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 1.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17515	Strand	-
Start	51918	End	53306
Name	OJ990531_36.9C03.C7.o10.gs	Method	GENSCAN
Start	51918	End	53306
GI	none	Score	.98
Exons	51918..52126, 52926..53093, 53191..53306		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	14965	End	16195
GI	none	Score	88
Exons	14965..15030, 14966..15031, 15099..15152, 15112..15144, 15196..15330, 15206..15328, 15611..15757, 15619..15783, 15633..15803, 15636..15797, 16124..16195		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304

Name	OJ990531_36.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	16109	End	16383
GI	none	Score	225
Exons	16109..16378, 16172..16321, 16186..16383		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	16198	End	16788
GI	none	Score	415
Exons	16198..16503, 16199..16492, 16612..16710, 16616..16726, 16617..16712, 16713..16787, 16713..16787, 16714..16788		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o4.ts	Method	TBLASTX:Soybean
Start	16242	End	16492
GI	none	Score	103
Exons	16242..16361, 16243..16368, 16244..16369, 16442..16492, 16444..16491		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o7.tm	Method	TBLASTX:Maize
Start	17562	End	17957
GI	none	Score	99
Exons	17562..17681, 17570..17668, 17774..17950, 17775..17957		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o8.tm	Method	TBLASTX:Maize
Start	20231	End	20503
GI	none	Score	40
Exons	20231..20269, 20234..20269, 20276..20338, 20336..20503, 20339..20500		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	20432	End	20840
GI	none	Score	121
Exons	20432..20599, 20433..20603, 20595..20669, 20596..20652, 20676..20840, 20677..20829		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	20507	End	21148
GI	none	Score	60
Exons	20507..20599, 20596..20655, 20596..20658, 20707..21015, 20730..21035, 21032..21148		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o6.tm	Method	TBLASTX:Maize
Start	22951	End	23237
GI	none	Score	81
Exons	22951..23037, 22952..23038, 22952..23047, 23037..23150, 23041..23145, 23190..23213, 23202..23231, 23202..23237		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	32485	End	44392
GI	none	Score	94
Exons	32485..32604, 32613..32687, 32703..32819, 43990..44106, 44122..44223, 44229..44300, 44297..44392		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	46873	End	49474
GI	none	Score	68
Exons	46873..46926, 46880..46939, 47405..47641, 47439..47642, 47444..47647, 47563..47673, 47909..48190, 47911..48195, 47926..48192, 48072..48197, 48258..48350, 48273..48347, 48840..48959, 48843..48959, 48844..48963, 49008..49112, 49052..49123, 49054..49119, 49204..49416, 49205..49360, 49401..49415, 49433..49474		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	47495	End	48906
GI	none	Score	153
Exons	47495..47641, 47517..47672, 47541..47642, 47909..48190, 47911..48186, 48258..48350, 48284..48343, 48850..48906		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	47523	End	49321
GI	none	Score	158
Exons	47523..47642, 47541..47642, 47563..47673, 47909..48190, 47911..48186, 47917..48192, 48258..48353, 48275..48403, 48284..48355, 48843..48950, 48843..48956, 48844..48963, 49050..49118, 49051..49119, 49052..49123, 49052..49123, 49198..49290, 49204..49317, 49205..49321		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o2.ts	Method	TBLASTX:Soybean

Start	48937	End	49351
GI	none	Score	42
Exons	48937..48963, 49052..49123, 49054..49119, 49204..49317, 49205..49351, 49205..49351		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	51879	End	53308
GI	none	Score	117
Exons	51879..52121, 51882..52127, 51887..52132, 52931..53092, 52982..53095, 52996..53094, 53172..53306, 53177..53299, 53189..53308, 53190..53303		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	51942	End	53047
GI	none	Score	120
Exons	51942..52121, 51948..52127, 51950..52132, 52934..53044, 52982..53047		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	52991	End	53302
GI	none	Score	56
Exons	52991..53071, 52993..53070, 53172..53300, 53174..53299, 53189..53302		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	52996	End	53307
GI	none	Score	139
Exons	52996..53076, 53163..53300, 53177..53299, 53179..53307		

Seq. No.	8226	Seq. ID	OJ990531_36.9C03.C7
Gene No.	17516	Strand	-
Start	55239	End	55304
Name	OJ990531_36.9C03.C7.o6.gp	Method	AAT/GAP
Start	55239	End	55304
GI	LIB3477-003-P1-K1-E9	Score	88
Exons	55239..55304		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8227	Seq. ID	OJ990531_36.9C03.C8
Gene No.	17517	Strand	-
Start	757	End	2443
Name	OJ990531_36.9C03.C8.o1.gs	Method	GENSCAN
Start	757	End	2435

GI	none	Score	.57
Exons	757..1144, 2270..2308, 2325..2435		

Seq. No.	8227	Seq. ID	OJ990531_36.9C03.C8
Gene No.	17517	Strand	-
Start	757	End	2443
Name	OJ990531_36.9C03.C8.o1.gp	Method	AAT/GAP
Start	2033	End	2443
GI	35940_1.R1084	Score	789
Exons	2033..2443		
GI Descrip.	'5918187/emb|CAB56225.1| 3.0e-58 (AJ133278) ribophorin I [Hordeum vulgare]'		

Seq. No.	8227	Seq. ID	OJ990531_36.9C03.C8
Gene No.	17517	Strand	-
Start	757	End	2443
Name	OJ990531_36.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	2111	End	2441
GI	none	Score	46
Exons	2111..2149, 2265..2441, 2269..2439		

Seq. No.	8227	Seq. ID	OJ990531_36.9C03.C8
Gene No.	17517	Strand	-
Start	757	End	2443
Name	OJ990531_36.9C03.C8.o1.np	Method	AAT/NAP
Start	2292	End	2443
GI	5918187	Score	201
Exons	2292..2443		
GI Descrip.	(AJ133278) ribophorin I [Hordeum vulgare]		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17518	Strand	+
Start	5591	End	9910
Name	OJ990531_36.9C03.C9.o2.gs	Method	GENSCAN
Start	5591	End	9910
GI	none	Score	.48
Exons	5591..5744, 5826..5900, 6182..6299, 6304..6398, 7774..7997, 8430..8565, 8614..9351, 9433..9507, 9789..9910		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17518	Strand	+
Start	5591	End	9910
Name	OJ990531_36.9C03.C9.o2.np	Method	AAT/NAP
Start	5591	End	9907
GI	6815052	Score	2594
Exons	5591..5744, 5826..5900, 6182..6299, 6597..6696, 7555..7647, 8430..8565, 8614..9351, 9433..9507, 9789..9907		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	1	End	224
GI	none	Score	138
Exons	1..207, 3..224, 50..184, 61..186		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.gs	Method	GENSCAN
Start	100	End	5487
GI	none	Score	.71
Exons	100..223, 1444..1533, 1637..1705, 2085..2261, 2881..3228, 3798..3842, 4470..4652, 4830..4968, 5161..5287, 5307..5487		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.gp	Method	AAT/GAP
Start	187	End	1664
GI	428347	Score	560
Exons	187..223, 1074..1232, 1444..1533, 1637..1664		
GI Descrip.	5918187/emb|CAB56225.1| 4.0e-44 (AJ133278) ribophorin I [Hordeum vulgare]		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	1071	End	2815
GI	none	Score	144
Exons	1071..1241, 1072..1233, 1073..1234, 1073..1243, 1441..1536, 1442..1531, 1637..1717, 1638..1706, 2071..2256, 2073..2264, 2085..2264, 2347..2478, 2349..2516, 2366..2479, 2570..2689, 2597..2815, 2599..2814, 2729..2815		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.np	Method	AAT/NAP
Start	1074	End	4074
GI	2894378	Score	1901
Exons	1074..1232, 1444..1527, 1637..1705, 2085..2261, 2358..2505, 2600..3228, 3798..3842, 3961..4074		
GI Descrip.	(Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	1081	End	3994
GI	none	Score	71
Exons	1081..1137, 1083..1136, 1147..1233, 1149..1235, 1150..1239, 1155..1241, 1441..1536, 1442..1534, 1634..1717, 1635..1706, 1636..1713, 1652..1717, 2071..2256, 2073..2267, 2347..2511, 2349..2516, 2595..2843, 2599..2844, 2599..2850, 2848..3225, 2849..3226, 2849..3229, 2851..3243, 3757..3861, 3759..3845, 3958..3993, 3959..3994		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o1.tc	Method	TBLASTX:Cress

Start	2175	End	2829
GI	none	Score	94
Exons	2175..2264, 2185..2256, 2346..2516, 2347..2490, 2599..2718, 2599..2736, 2767..2829, 2768..2821		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o2.gp	Method	AAT/GAP
Start	2592	End	2977
GI	2312454	Score	706
Exons	2592..2977		
GI Descrip.	2894378/emb|CAA74910.1| 2.0e-51 (Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	2818	End	3072
GI	none	Score	138
Exons	2818..3072, 2819..3049, 2829..3056, 2830..3060		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o2.tc	Method	TBLASTX:Cress
Start	2830	End	3228
GI	none	Score	79
Exons	2830..3126, 2831..3049, 3088..3228		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17519	Strand	-
Start	100	End	5487
Name	OJ990531_36.9C03.C9.o3.gp	Method	AAT/GAP
Start	2996	End	4123
GI	32381_1.R1084	Score	786
Exons	2996..3228, 3798..3842, 3961..4123		
GI Descrip.	'2894378/emb|CAA74910.1| 6.0e-38 (Y14573) putative ribophorin I homologue [Hordeum vulgare]'		

Seq. No.	8228	Seq. ID	OJ990531_36.9C03.C9
Gene No.	17520	Strand	
Start	7881	End	8375
Name	OJ990531_36.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	7881	End	8375
GI	none	Score	304
Exons	7881..8375, 7905..8171, 8153..8275		

Seq. No.	8229	Seq. ID	OJ990531_36.9C03.C10
Gene No.	17521	Strand	+
Start	5025	End	5761
Name	OJ990531_36.9C03.C10.o2.gs	Method	GENSCAN
Start	5025	End	5761
GI	none	Score	.9
Exons	5025..5091, 5129..5334, 5666..5761		

Seq. No.	8229	Seq. ID	OJ990531_36.9C03.C10
Gene No.	17522	Strand	-
Start	4152	End	4575
Name	OJ990531_36.9C03.C10.o1.np	Method	AAT/NAP
Start	4152	End	4575
GI	6539570	Score	93
Exons	4152..4218, 4374..4575		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17523	Strand	+
Start	1703	End	4215
Name	OJ990531_36.9C03.C11.o1.gs	Method	GENSCAN
Start	1703	End	4215
GI	none	Score	.81
Exons	1703..1737, 2356..2561, 3458..3585, 3727..3953, 4060..4215		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17524	Strand	+
Start	5080	End	5737
Name	OJ990531_36.9C03.C11.o2.gs	Method	GENSCAN
Start	5080	End	5737
GI	none	Score	.9
Exons	5080..5170, 5289..5431, 5600..5737		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17525	Strand	+
Start	7677	End	12774
Name	OJ990531_36.9C03.C11.o3.gs	Method	GENSCAN
Start	7677	End	12774
GI	none	Score	.48
Exons	7677..7804, 8415..8628, 10230..10314, 12668..12774		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17525	Strand	+
Start	7677	End	12774
Name	OJ990531_36.9C03.C11.o2.np	Method	AAT/NAP
Start	10663	End	10877
GI	4538624	Score	71
Exons	10663..10877		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17526	Strand	-
Start	7352	End	11998
Name	OJ990531_36.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	4847	End	7863
GI	none	Score	71
Exons	4847..4918, 4972..5166, 5002..5151, 5015..5209, 5165..5212, 5165..5221, 7389..7430, 7455..7811, 7486..7803, 7807..7863, 7808..7858		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17526	Strand	-
Start	7352	End	11998
Name	OJ990531_36.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	4871	End	7808

GI	none	Score	201
Exons	4871..4915, 5011..5169, 5165..5200, 7482..7529, 7638..7808		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17526	Strand	-
Start	7352	End	11998
Name	OJ990531_36.9C03.C11.o1.np	Method	AAT/NAP
Start	7352	End	11998
GI	6069646	Score	361
Exons	7352..8338, 8805..8874, 11913..11998		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	8230	Seq. ID	OJ990531_36.9C03.C11
Gene No.	17526	Strand	-
Start	7352	End	11998
Name	OJ990531_36.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	8213	End	8595
GI	none	Score	74
Exons	8213..8359, 8437..8595, 8438..8590		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17527	Strand	+
Start	172	End	623
Name	OJ990531_36.9C03.C12.o1.gs	Method	GENSCAN
Start	172	End	623
GI	none	Score	.48
Exons	172..623		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17528	Strand	+
Start	1630	End	2216
Name	OJ990531_36.9C03.C12.o2.np	Method	AAT/NAP
Start	1630	End	2216
GI	3283026	Score	265
Exons	1630..2216		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17529	Strand	-
Start	1	End	535
Name	OJ990531_36.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	535
GI	1076211	Score	203
Exons	1..535		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17530	Strand	
Start	1614	End	2618
Name	OJ990531_36.9C03.C12.o1.tc	Method	TBLASTX:Cress

Start	1614	End	2469
GI	none	Score	61
Exons	1614..1706, 1711..2229, 2234..2263, 2365..2469		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17530	Strand	
Start	1614	End	2618
Name	OJ990531_36.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	1708	End	2049
GI	none	Score	70
Exons	1708..1785, 1715..1786, 1723..1824, 1861..2049, 1863..1961, 1936..2049		

Seq. No.	8231	Seq. ID	OJ990531_36.9C03.C12
Gene No.	17530	Strand	
Start	1614	End	2618
Name	OJ990531_36.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	2229	End	2618
GI	none	Score	47
Exons	2229..2267, 2234..2269, 2367..2483, 2368..2484, 2368..2484, 2480..2560, 2481..2561, 2559..2615, 2571..2618		

Seq. No.	8232	Seq. ID	OJ990531_36.9C03.C13
Gene No.	17531	Strand	+
Start	1	End	1355
Name	OJ990531_36.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	1355
GI	3283026	Score	41
Exons	1..27, 79..164, 263..363, 1322..1355		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	8232	Seq. ID	OJ990531_36.9C03.C13
Gene No.	17532	Strand	-
Start	440	End	1145
Name	OJ990531_36.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	124	End	513
GI	none	Score	47
Exons	124..162, 129..164, 262..378, 263..379, 375..455, 376..456, 454..510, 466..513		

Seq. No.	8232	Seq. ID	OJ990531_36.9C03.C13
Gene No.	17532	Strand	-
Start	440	End	1145
Name	OJ990531_36.9C03.C13.o1.gs	Method	GENSCAN
Start	440	End	1145
GI	none	Score	.45
Exons	440..592, 1094..1145		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17533	Strand	+
Start	121	End	3393
Name	OJ990531_36.9C03.C14.o1.gs	Method	GENSCAN
Start	121	End	3393
GI	none	Score	.47
Exons	121..221, 452..576, 919..1133, 1930..2057, 3321..3393		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14

Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o2.gs	Method	GENSCAN
Start	4231	End	12580
GI	none	Score	.86
Exons	4231..4342, 7801..7894, 8255..8399, 8720..8831, 8910..9049, 10991..11281, 11398..11548, 11648..11734, 11829..12580		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o1.gp	Method	AAT/GAP
Start	5501	End	6424
GI	85912_1.R1084	Score	764
Exons	5501..5871, 6369..6424		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o1.np	Method	AAT/NAP
Start	7755	End	12259
GI	6728879	Score	409
Exons	7755..7894, 7983..8144, 8285..8399, 8476..8548, 8640..8825, 8910..9049, 10991..11253, 11398..11548, 11648..11764, 11829..11929, 12149..12259		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	8636	End	8833
GI	none	Score	115
Exons	8636..8782, 8638..8817, 8639..8833, 8640..8816, 8641..8817		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o2.tm	Method	TBLASTX:Maize
Start	11435	End	12209
GI	none	Score	116
Exons	11435..11551, 11437..11556, 11648..11764, 11650..11736, 11651..11737, 11822..11902, 11877..11930, 11879..11932, 12149..12208, 12150..12209		

Seq. No.	8233	Seq. ID	OJ990531_36.9C03.C14
Gene No.	17534	Strand	-
Start	4231	End	12674
Name	OJ990531_36.9C03.C14.o2.gp	Method	AAT/GAP
Start	12220	End	12674
GI	55683_1.R1084	Score	864
Exons	12220..12674		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17535	Strand	+
Start	6737	End	8162
Name	OJ990531_36.9C03.C15.o1.np	Method	AAT/NAP
Start	6737	End	8162
GI	5852084	Score	81
Exons	6737..6763, 8022..8162		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17536	Strand	+
Start	15376	End	15914
Name	OJ990531_36.9C03.C15.o3.gs	Method	GENSCAN
Start	15376	End	15914
GI	none	Score	.83
Exons	15376..15386, 15800..15914		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17537	Strand	+
Start	16860	End	22627
Name	OJ990531_36.9C03.C15.o4.gs	Method	GENSCAN
Start	16860	End	21248
GI	none	Score	.82
Exons	16860..16862, 17442..17507, 17637..17745, 17792..17829, 18337..18553, 19016..19174, 19269..19393, 19462..19656, 19948..20482, 20717..20917, 21001..21248		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17537	Strand	+
Start	16860	End	22627
Name	OJ990531_36.9C03.C15.o3.np	Method	AAT/NAP
Start	17501	End	17832
GI	6721512	Score	136
Exons	17501..17579, 17607..17749, 17792..17832		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17537	Strand	+
Start	16860	End	22627
Name	OJ990531_36.9C03.C15.o4.np	Method	AAT/NAP
Start	18548	End	22627
GI	6907089	Score	254
Exons	18548..19174, 22583..22627		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17537	Strand	+
Start	16860	End	22627
Name	OJ990531_36.9C03.C15.o5.np	Method	AAT/NAP
Start	19053	End	20614
GI	6721561	Score	399
Exons	19053..19125, 19466..19618, 19698..19792, 19866..20614		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o1.gs	Method	GENSCAN
Start	1152	End	12027
GI	none	Score	.48
Exons	1152..1301, 2332..2536, 3554..3671, 3712..3815, 3943..4089, 7509..7563, 8943..9002, 10237..10348, 11544..12027		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o1.gp	Method	AAT/GAP
Start	8593	End	8842
GI	3761181	Score	404
Exons	8593..8842		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o2.np	Method	AAT/NAP
Start	10152	End	16749
GI	5091513	Score	1480
Exons	10152..10620, 10772..10975, 11428..11750, 11806..12539, 13293..13918, 16723..16749		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o2.gs	Method	GENSCAN
Start	12144	End	13840
GI	none	Score	.95
Exons	12144..12554, 13345..13593, 13685..13840		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o2.gp	Method	AAT/GAP
Start	15105	End	15412
GI	72524_1.R1084	Score	428
Exons	15105..15412		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17538	Strand	-
Start	1152	End	16749
Name	OJ990531_36.9C03.C15.o3.gp	Method	AAT/GAP
Start	15411	End	15628
GI	8022_1.R1084	Score	288
Exons	15411..15628		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8234	Seq. ID	OJ990531_36.9C03.C15
Gene No.	17539	Strand	-
Start	22359	End	23483
Name	OJ990531_36.9C03.C15.o5.gs	Method	GENSCAN
Start	22359	End	23483
GI	none	Score	.67
Exons	22359..22554, 22917..23058, 23409..23483		

Seq. No.	8235	Seq. ID	OJ990421_30.9C03.C2
Gene No.	17540	Strand	+
Start	474	End	673
Name	OJ990421_30.9C03.C2.o1.np	Method	AAT/NAP
Start	474	End	673
GI	2498930	Score	53
Exons	474..537, 645..673		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8235	Seq. ID	OJ990421_30.9C03.C2
Gene No.	17540	Strand	+
Start	474	End	673
Name	OJ990421_30.9C03.C2.o1.gs	Method	GENSCAN
Start	478	End	537
GI	none	Score	.94
Exons	478..537		

Seq. No.	8236	Seq. ID	OJ990421_30.9C03.C3
Gene No.	17541	Strand	+
Start	1	End	634
Name	OJ990421_30.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	634
GI	2498930	Score	1072
Exons	1..634		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8236	Seq. ID	OJ990421_30.9C03.C3
Gene No.	17541	Strand	+
Start	1	End	634
Name	OJ990421_30.9C03.C3.o1.gs	Method	GENSCAN
Start	61	End	600
GI	none	Score	.86
Exons	61..600		

Seq. No.	8237	Seq. ID	OJ990421_30.9C03.C4
Gene No.	17542	Strand	-
Start	82	End	174
Name	OJ990421_30.9C03.C4.o1.gp	Method	AAT/GAP
Start	82	End	174
GI	21474_1.R1084	Score	143
Exons	82..174		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8238	Seq. ID	OJ990421_30.9C03.C6
Gene No.	17543	Strand	+

Start	982	End	4429
Name	OJ990421_30.9C03.C6.o1.np	Method	AAT/NAP
Start	982	End	4099
GI	4680204	Score	1000
Exons	982..2415, 2490..3589, 3699..3872, 3969..4099		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8238	Seq. ID	OJ990421_30.9C03.C6
Gene No.	17543	Strand	+
Start	982	End	4429
Name	OJ990421_30.9C03.C6.o1.gs	Method	GENSCAN
Start	1073	End	4429
GI	none	Score	.61
Exons	1073..2415, 2490..2631, 2808..2902, 2904..3589, 3699..3872, 3969..4079, 4164..4236, 4331..4429		

Seq. No.	8238	Seq. ID	OJ990421_30.9C03.C6
Gene No.	17543	Strand	+
Start	982	End	4429
Name	OJ990421_30.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	1622	End	2025
GI	none	Score	62
Exons	1622..1762, 1622..1738, 1624..1860, 1624..1773, 1725..1865, 1855..2025, 1930..2025		

Seq. No.	8238	Seq. ID	OJ990421_30.9C03.C6
Gene No.	17543	Strand	+
Start	982	End	4429
Name	OJ990421_30.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	2026	End	2702
GI	none	Score	69
Exons	2026..2106, 2347..2418, 2481..2702, 2483..2557		

Seq. No.	8238	Seq. ID	OJ990421_30.9C03.C6
Gene No.	17543	Strand	+
Start	982	End	4429
Name	OJ990421_30.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	3516	End	4038
GI	none	Score	61
Exons	3516..3596, 3685..3867, 3735..3860, 3967..4038		

Seq. No.	8239	Seq. ID	OJ990421_30.9C03.C7
Gene No.	17544	Strand	-
Start	1	End	1733
Name	OJ990421_30.9C03.C7.o1.gp	Method	AAT/GAP
Start	1	End	1733
GI	342_1.R1084	Score	1865
Exons	1..269, 347..368, 513..1317, 1713..1733		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8239	Seq. ID	OJ990421_30.9C03.C7
Gene No.	17544	Strand	-
Start	1	End	1733
Name	OJ990421_30.9C03.C7.o1.gs	Method	GENSCAN
Start	584	End	1704
GI	none	Score	.42

Exons	584..1174, 1246..1704		
Seq. No.	8239	Seq. ID	OJ990421_30.9C03.C7
Gene No.	17544	Strand	-
Start	1	End	1733
Name	OJ990421_30.9C03.C7.o1.np	Method	AAT/NAP
Start	605	End	1319
GI	4680203	Score	671
Exons	605..1319		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	8239	Seq. ID	OJ990421_30.9C03.C7
Gene No.	17544	Strand	-
Start	1	End	1733
Name	OJ990421_30.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	659	End	1310
GI	none	Score	52
Exons	659..751, 660..725, 740..820, 825..905, 833..973, 834..974, 921..1016, 953..1012, 1019..1063, 1024..1059, 1058..1309, 1074..1310		
Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.gp	Method	AAT/GAP
Start	1	End	965
GI	342_1.R1084	Score	1755
Exons	1..965		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	965
GI	4680203	Score	1365
Exons	1..965		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.gs	Method	GENSCAN
Start	50	End	711
GI	none	Score	.57
Exons	50..711		
Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	94	End	336
GI	none	Score	56
Exons	94..336, 152..250		
Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8

Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	166	End	624
GI	none	Score	97
Exons	166..360, 370..624, 370..612		

Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	200	End	669
GI	none	Score	167
Exons	200..406, 205..408, 205..429, 409..507, 410..502, 511..615, 515..604, 616..669, 617..661		

Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	457	End	805
GI	none	Score	88
Exons	457..798, 476..613, 653..805		

Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	538	End	964
GI	none	Score	121
Exons	538..834, 556..780, 829..891, 884..964, 892..963		

Seq. No.	8240	Seq. ID	OJ990421_30.9C03.C8
Gene No.	17545	Strand	-
Start	1	End	965
Name	OJ990421_30.9C03.C8.o2.tw	Method	TBLASTX:Wheat
Start	679	End	963
GI	none	Score	45
Exons	679..798, 740..802, 823..894, 824..871, 880..963		

Seq. No.	8241	Seq. ID	OJ990421_30.9C03.C9
Gene No.	17546	Strand	-
Start	39	End	3024
Name	OJ990421_30.9C03.C9.o1.gs	Method	GENSCAN
Start	39	End	3024
GI	none	Score	.4
Exons	39..399, 1604..1660, 2095..2173, 2297..2372, 2567..2797, 2976..3024		

Seq. No.	8241	Seq. ID	OJ990421_30.9C03.C9
Gene No.	17546	Strand	-
Start	39	End	3024
Name	OJ990421_30.9C03.C9.o1.np	Method	AAT/NAP
Start	70	End	399
GI	5852182	Score	427
Exons	70..399		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8241	Seq. ID	OJ990421_30.9C03.C9
Gene No.	17546	Strand	-
Start	39	End	3024
Name	OJ990421_30.9C03.C9.o1.gp	Method	AAT/GAP
Start	258	End	847
GI	2310235	Score	302
Exons	258..399, 810..847		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17547	Strand	-
Start	618	End	5986
Name	OJ990421_30.9C03.C11.o1.gs	Method	GENSCAN
Start	618	End	4183
GI	none	Score	.59
Exons	618..638, 1173..1196, 1593..1638, 1737..1839, 2131..2187, 2835..3093, 3602..4183		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17547	Strand	-
Start	618	End	5986
Name	OJ990421_30.9C03.C11.o1.np	Method	AAT/NAP
Start	2475	End	5536
GI	5734776	Score	662
Exons	2475..3441, 3629..3893, 3921..3989, 5475..5536		
GI Descrip.	(AC007980) 53021 [Arabidopsis thaliana]		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17547	Strand	-
Start	618	End	5986
Name	OJ990421_30.9C03.C11.o1.gp	Method	AAT/GAP
Start	5043	End	5986
GI	none	Score	818
Exons	5043..5292, 5688..5743, 5831..5986		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17548	Strand	-
Start	7709	End	8447
Name	OJ990421_30.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	2512	End	3797
GI	none	Score	104
Exons	2512..3078, 2534..2932, 2617..3084, 3170..3319, 3176..3325, 3176..3322, 3322..3531, 3334..3528, 3343..3549, 3460..3567, 3461..3568, 3602..3661, 3620..3667, 3680..3727, 3747..3797		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17548	Strand	-
Start	7709	End	8447
Name	OJ990421_30.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	2527	End	3061
GI	none	Score	174
Exons	2527..3060, 2549..3061		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17548	Strand	-

Start	7709	End	8447
Name	OJ990421_30.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	2533	End	3093
GI	none	Score	296
Exons	2533..3093		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17548	Strand	-
Start	7709	End	8447
Name	OJ990421_30.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	2962	End	3709
GI	none	Score	59
Exons	2962..3096, 2978..3079, 3162..3362, 3176..3322, 3328..3510, 3331..3480, 3367..3432, 3427..3528, 3460..3567, 3590..3697, 3614..3709		

Seq. No.	8242	Seq. ID	OJ990421_30.9C03.C11
Gene No.	17548	Strand	-
Start	7709	End	8447
Name	OJ990421_30.9C03.C11.o2.gs	Method	GENSCAN
Start	7709	End	8447
GI	none	Score	.82
Exons	7709..8447		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17549	Strand	+
Start	237	End	1433
Name	OJ990421_30.9C03.C12.o1.gs	Method	GENSCAN
Start	237	End	1433
GI	none	Score	.62
Exons	237..418, 1216..1433		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17550	Strand	+
Start	3056	End	8278
Name	OJ990421_30.9C03.C12.o2.gs	Method	GENSCAN
Start	3056	End	8278
GI	none	Score	.59
Exons	3056..3127, 3507..3824, 3837..6149, 6228..7888, 8122..8278		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17550	Strand	+
Start	3056	End	8278
Name	OJ990421_30.9C03.C12.o1.np	Method	AAT/NAP
Start	3531	End	7892
GI	2586082	Score	4967
Exons	3531..6169, 6207..7892		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17551	Strand	+
Start	15873	End	16491
Name	OJ990421_30.9C03.C12.o4.gs	Method	GENSCAN
Start	15873	End	16491
GI	none	Score	.86
Exons	15873..15950, 16003..16491		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17552	Strand	-
Start	3172	End	3484
Name	OJ990421_30.9C03.C12.o1.gp	Method	AAT/GAP
Start	3172	End	3484
GI	none	Score	594
Exons	3172..3484		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17553	Strand	-
Start	7900	End	8218
Name	OJ990421_30.9C03.C12.o2.gp	Method	AAT/GAP
Start	7900	End	8218
GI	none	Score	603
Exons	7900..8218		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o5.tw	Method	TBLASTX:Wheat
Start	3570	End	3926
GI	none	Score	236
Exons	3570..3926, 3701..3925		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.tm	Method	TBLASTX:Maize
Start	3621	End	4040
GI	none	Score	100
Exons	3621..3713, 3629..3709, 3741..4040, 3743..4018, 3756..4037		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o6.tm	Method	TBLASTX:Maize
Start	4041	End	4601
GI	none	Score	81
Exons	4041..4172, 4356..4601, 4479..4601		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	4419	End	4811
GI	none	Score	264
Exons	4419..4652, 4470..4604, 4632..4811, 4646..4810		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.ts	Method	TBLASTX:Soybean
Start	4878	End	5301
GI	none	Score	186
Exons	4878..5093, 4984..5097, 5000..5044, 5118..5288, 5161..5301		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12

Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o7.tw	Method	TBLASTX:Wheat
Start	5097	End	5387
GI	none	Score	165
Exons	5097..5285, 5304..5387		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	5298	End	5747
GI	none	Score	362
Exons	5298..5747		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o4.ts	Method	TBLASTX:Soybean
Start	5310	End	5729
GI	none	Score	264
Exons	5310..5729		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o4.tw	Method	TBLASTX:Wheat
Start	5388	End	5747
GI	none	Score	292
Exons	5388..5747, 5414..5509, 5421..5735, 5531..5740		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o5.tm	Method	TBLASTX:Maize
Start	5403	End	5726
GI	none	Score	285
Exons	5403..5726, 5534..5722		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	6348	End	6866
GI	5509260	Score	442
Exons	6348..6866, 6362..6463, 6488..6643, 6689..6853		
GI Descrip.	-		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o7.tm	Method	TBLASTX:Maize
Start	6390	End	6659
GI	none	Score	218
Exons	6390..6659, 6401..6619, 6453..6623		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12

Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o2.tc	Method	TBLASTX:Cress
Start	6479	End	6749
GI	none	Score	299
Exons	6479..6748, 6480..6749		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	6530	End	7043
GI	none	Score	309
Exons	6530..6649, 6531..6875, 6683..6835, 6867..7043		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	6663	End	7103
GI	none	Score	393
Exons	6663..7103, 6683..6832, 6869..6973, 7016..7063		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.tc	Method	TBLASTX:Cress
Start	6930	End	7178
GI	none	Score	198
Exons	6930..7178		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	7044	End	7481
GI	none	Score	439
Exons	7044..7481, 7049..7366, 7218..7373, 7394..7480		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	7236	End	7892
GI	none	Score	290
Exons	7236..7634, 7250..7582, 7670..7735, 7671..7892		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	7245	End	7841
GI	none	Score	546
Exons	7245..7841, 7247..7372, 7433..7636, 7671..7760		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-

Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.gs	Method	GENSCAN
Start	8686	End	13089
GI	none	Score	.74
Exons	8686..8762, 10126..10321, 10394..10854, 11331..11696, 11925..13089		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o3.np	Method	AAT/NAP
Start	9821	End	16753
GI	2943742	Score	551
Exons	9821..9848, 11354..12447, 12478..12525, 16621..16753		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o6.tw	Method	TBLASTX:Wheat
Start	10344	End	10711
GI	none	Score	105
Exons	10344..10655, 10355..10711		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o2.np	Method	AAT/NAP
Start	10838	End	12612
GI	2792220	Score	734
Exons	10838..10999, 11029..12612		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o4.tm	Method	TBLASTX:Maize
Start	11500	End	14729
GI	none	Score	137
Exons	11500..11559, 11566..12027, 11633..11941, 12037..12093, 14628..14729		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o6.ts	Method	TBLASTX:Soybean
Start	11638	End	11862
GI	4397495	Score	104
Exons	11638..11862, 11642..11842		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	8243	Seq. ID	OJ990421_30.9C03.C12
Gene No.	17554	Strand	-
Start	8686	End	16753
Name	OJ990421_30.9C03.C12.o5.ts	Method	TBLASTX:Soybean
Start	11863	End	12408

GI	none	Score	99
Exons	11863..12168, 11863..12168, 12157..12267, 12271..12348, 12346..12408		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17555	Strand	+
Start	8794	End	15004
Name	OJ990421_30.9C03.C13.o3.gs	Method	GENSCAN
Start	8794	End	15004
GI	none	Score	.62
Exons	8794..8956, 9641..9844, 9945..10186, 11575..11673, 12665..12761, 13195..13457, 13980..14076, 14260..14322, 14472..14536, 14667..14759, 14972..15004		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17555	Strand	+
Start	8794	End	15004
Name	OJ990421_30.9C03.C13.o1.gp	Method	AAT/GAP
Start	11106	End	11658
GI	LIB3431-055-P1-N1-G3	Score	1087
Exons	11106..11658		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17555	Strand	+
Start	8794	End	15004
Name	OJ990421_30.9C03.C13.o2.gp	Method	AAT/GAP
Start	12493	End	12738
GI	none	Score	269
Exons	12493..12658, 12690..12738		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o2.np	Method	AAT/NAP
Start	1287	End	13394
GI	6523547	Score	375
Exons	1287..1385, 1991..2198, 2466..2623, 5360..5513, 7659..7843, 13194..13394		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	1701	End	5343
GI	none	Score	46
Exons	1701..1757, 1797..1928, 4753..4938, 4951..5136, 4954..5133, 4961..5176, 5164..5343, 5167..5337		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o1.np	Method	AAT/NAP
Start	4648	End	5892

GI	2351097	Score	954
Exons	4648..4692, 4744..5892		
GI Descrip.	(AB006810) ATMRK1 [Arabidopsis thaliana]		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o2.gs	Method	GENSCAN
Start	4651	End	7492
GI	none	Score	.87
Exons	4651..5899, 5980..6169, 6292..6421, 7236..7400, 7445..7492		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o1.tc	Method	TBLASTX:Cress
Start	4663	End	5676
GI	none	Score	60
Exons	4663..4680, 4744..4938, 4745..4867, 4951..5136, 4955..5131, 5164..5388, 5165..5353, 5386..5676, 5387..5641		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	4666	End	5274
GI	none	Score	37
Exons	4666..4680, 4750..4941, 4754..4861, 4951..5136, 4955..5182, 5164..5274, 5165..5260		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17556	Strand	-
Start	1287	End	13394
Name	OJ990421_30.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	4741	End	5676
GI	none	Score	51
Exons	4741..4941, 4742..4867, 4913..5176, 4951..5139, 5164..5349, 5165..5353, 5410..5676, 5414..5659		

Seq. No.	8244	Seq. ID	OJ990421_30.9C03.C13
Gene No.	17557	Strand	
Start	13392	End	14753
Name	OJ990421_30.9C03.C13.o2.tm	Method	TBLASTX:Maize
Start	13392	End	14753
GI	none	Score	118
Exons	13392..13466, 13400..13465, 14025..14096, 14027..14080, 14258..14326, 14259..14321, 14261..14323, 14469..14537, 14471..14539, 14472..14534, 14661..14753, 14666..14752		

Seq. No.	8245	Seq. ID	OJ990421_30.9C03.C14
Gene No.	17558	Strand	-
Start	1	End	1617
Name	OJ990421_30.9C03.C14.o1.gp	Method	AAT/GAP
Start	1	End	1617
GI	none	Score	371
Exons	1..113, 1512..1617		

Seq. No.	8245	Seq. ID	OJ990421_30.9C03.C14
Gene No.	17558	Strand	-
Start	1	End	1617
Name	OJ990421_30.9C03.C14.o1.np	Method	AAT/NAP
Start	75	End	1617
GI	6671947	Score	158
Exons	75..113, 1512..1617		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	8246	Seq. ID	OJ990421_30.9C03.C16
Gene No.	17559	Strand	-
Start	508	End	555
Name	OJ990421_30.9C03.C16.o1.gs	Method	GENSCAN
Start	508	End	555
GI	none	Score	.74
Exons	508..555		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17560	Strand	+
Start	958	End	1770
Name	OJ990421_30.9C03.C18.o1.gs	Method	GENSCAN
Start	958	End	1770
GI	none	Score	.86
Exons	958..1008, 1105..1770		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17561	Strand	+
Start	6121	End	6233
Name	OJ990421_30.9C03.C18.o1.gp	Method	AAT/GAP
Start	6121	End	6233
GI	uC-osflcyp088b12b1	Score	156
Exons	6121..6233		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17562	Strand	+
Start	7633	End	14525
Name	OJ990421_30.9C03.C18.o1.np	Method	AAT/NAP
Start	7633	End	14525
GI	4206306	Score	2751
Exons	7633..8428, 11518..14525		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17563	Strand	+
Start	22002	End	22382
Name	OJ990421_30.9C03.C18.o2.gp	Method	AAT/GAP
Start	22002	End	22382
GI	uC-osflcyp033a04b1	Score	650
Exons	22002..22382		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17564	Strand	+

Start	29889	End	30110
Name	OJ990421_30.9C03.C18.o6.gs	Method	GENSCAN
Start	29889	End	30110
GI	none	Score	.63
Exons	29889..30110		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17565	Strand	-
Start	15156	End	27700
Name	OJ990421_30.9C03.C18.o3.gs	Method	GENSCAN
Start	15156	End	18711
GI	none	Score	.62
Exons	15156..15593, 15876..16013, 16152..16700, 16801..17572, 17590..17806, 17874..18711		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17565	Strand	-
Start	15156	End	27700
Name	OJ990421_30.9C03.C18.o2.np	Method	AAT/NAP
Start	15379	End	22301
GI	5852180	Score	421
Exons	15379..15413, 19123..19194, 20678..21109, 21169..21254, 22231..22301		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17565	Strand	-
Start	15156	End	27700
Name	OJ990421_30.9C03.C18.o3.np	Method	AAT/NAP
Start	19682	End	27083
GI	4544372	Score	556
Exons	19682..19759, 23080..23961, 24263..24392, 27017..27083		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17565	Strand	-
Start	15156	End	27700
Name	OJ990421_30.9C03.C18.o5.gs	Method	GENSCAN
Start	21932	End	27700
GI	none	Score	.57
Exons	21932..22134, 22231..22284, 22392..22584, 23018..24047, 24163..25793, 26141..26406, 26624..26806, 27292..27700		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o7.tw	Method	TBLASTX:Wheat
Start	6747	End	7091
GI	none	Score	181
Exons	6747..7091		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o3.ts	Method	TBLASTX:Soybean
Start	7803	End	24545

GI	none	Score	78
Exons	7803..8072, 24207..24545		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o5.tw	Method	TBLASTX:Wheat
Start	7884	End	24533
GI	none	Score	79
Exons	7884..8015, 8021..8242, 8022..8243, 24407..24448, 24429..24533		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o6.tw	Method	TBLASTX:Wheat
Start	11560	End	23872
GI	none	Score	211
Exons	11560..11811, 23636..23872		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o2.ts	Method	TBLASTX:Soybean
Start	11602	End	23797
GI	none	Score	97
Exons	11602..11826, 11833..11967, 23432..23566, 23573..23797, 23607..23786		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o1.tm	Method	TBLASTX:Maize
Start	11691	End	23704
GI	none	Score	419
Exons	11691..12047, 11692..12048, 23375..23662, 23378..23704, 23481..23693		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o1.tw	Method	TBLASTX:Wheat
Start	11815	End	23635
GI	none	Score	178
Exons	11815..12012, 11823..12011, 12025..12162, 23231..23575, 23231..23584, 23274..23576, 23479..23586, 23579..23635, 23589..23630		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o2.tm	Method	TBLASTX:Maize
Start	12052	End	23362
GI	none	Score	291
Exons	12052..12426, 12054..12077, 12085..12192, 12207..12308, 23082..23213, 23087..23362, 23096..23362		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18

Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o1.ts	Method	TBLASTX:Soybean
Start	12178	End	23215
GI	none	Score	253
Exons	12178..12552, 12231..12386, 23082..23177, 23087..23215		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o2.tw	Method	TBLASTX:Wheat
Start	12186	End	23230
GI	none	Score	87
Exons	12186..12329, 12186..12446, 12187..12552, 12187..12450, 23079..23213, 23087..23230		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o3.tw	Method	TBLASTX:Wheat
Start	12692	End	13124
GI	none	Score	307
Exons	12692..13123, 12693..13124		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o4.tm	Method	TBLASTX:Maize
Start	13326	End	13592
GI	none	Score	234
Exons	13326..13592, 13451..13591		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o4.tw	Method	TBLASTX:Wheat
Start	13434	End	13823
GI	none	Score	263
Exons	13434..13823, 13478..13741		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o3.tm	Method	TBLASTX:Maize
Start	13593	End	13946
GI	none	Score	368
Exons	13593..13946, 13685..13945		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o4.ts	Method	TBLASTX:Soybean
Start	13710	End	14054
GI	none	Score	46
Exons	13710..13745, 13764..14054		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18

Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o6.tm	Method	TBLASTX:Maize
Start	14214	End	14474
GI	none	Score	190
Exons	14214..14474, 14282..14449		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o7.gs	Method	GENSCAN
Start	31865	End	35807
GI	none	Score	.69
Exons	31865..31924, 32194..32400, 33346..34326, 34893..35392, 35636..35807		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o4.np	Method	AAT/NAP
Start	32269	End	36728
GI	625973	Score	601
Exons	32269..34326, 34893..35043, 36685..36728		
GI Descrip.	disease resistance protein RPS2 - Arabidopsis thaliana gi|548086 (U14158) RPS2 [Arabidopsis thaliana] gi|549979 (U12860) RPS2 [Arabidopsis thaliana] gi|4538938|emb|CAB39674.1| (AL049483) disease resistance protein RPS2 [Arabidopsis thaliana]		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o1.tc	Method	TBLASTX:Cress
Start	32383	End	35024
GI	none	Score	70
Exons	32383..32511, 32578..32733, 33199..33387, 33481..33807, 33496..33636, 33719..33808, 33859..34074, 34171..34290, 34965..35024		

Seq. No.	8247	Seq. ID	OJ990421_30.9C03.C18
Gene No.	17566	Strand	-
Start	31865	End	36728
Name	OJ990421_30.9C03.C18.o5.tm	Method	TBLASTX:Maize
Start	33952	End	34275
GI	none	Score	55
Exons	33952..34074, 34001..34075, 34081..34275, 34172..34246		

Seq. No.	8248	Seq. ID	OJ990421_30.9C03.C19
Gene No.	17567	Strand	+
Start	1857	End	4010
Name	OJ990421_30.9C03.C19.o1.gs	Method	GENSCAN
Start	1857	End	4010
GI	none	Score	.89
Exons	1857..1971, 2007..2111, 3892..4010		

Seq. No.	8248	Seq. ID	OJ990421_30.9C03.C19
Gene No.	17568	Strand	+
Start	6016	End	6898

Name	OJ990421_30.9C03.C19.o3.gs	Method	GENSCAN
Start	6016	End	6898
GI	none	Score	.47
Exons	6016..6302, 6763..6898		

Seq. No.	8248	Seq. ID	OJ990421_30.9C03.C19
Gene No.	17569	Strand	+
Start	7354	End	7686
Name	OJ990421_30.9C03.C19.o4.gs	Method	GENSCAN
Start	7354	End	7686
GI	none	Score	.82
Exons	7354..7395, 7401..7686		

Seq. No.	8248	Seq. ID	OJ990421_30.9C03.C19
Gene No.	17570	Strand	-
Start	1	End	8529
Name	OJ990421_30.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	8529
GI	5852175	Score	111
Exons	1..28, 5526..5558, 6174..6271, 6845..6894, 8491..8529		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	8248	Seq. ID	OJ990421_30.9C03.C19
Gene No.	17570	Strand	-
Start	1	End	8529
Name	OJ990421_30.9C03.C19.o2.gs	Method	GENSCAN
Start	4527	End	5139
GI	none	Score	.82
Exons	4527..4584, 4633..4863, 4970..5139		

Seq. No.	8249	Seq. ID	OJ990421_30.9C03.C20
Gene No.	17571	Strand	+
Start	1	End	453
Name	OJ990421_30.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	453
GI	6498434	Score	78
Exons	1..33, 372..453		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	8249	Seq. ID	OJ990421_30.9C03.C20
Gene No.	17572	Strand	-
Start	63	End	1121
Name	OJ990421_30.9C03.C20.o1.gs	Method	GENSCAN
Start	63	End	1121
GI	none	Score	.44
Exons	63..163, 411..560, 875..988, 1039..1064, 1093..1121		

Seq. No.	8250	Seq. ID	OJ990421_30.9C03.C24
Gene No.	17573	Strand	-
Start	1	End	561
Name	OJ990421_30.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	561
GI	106322	Score	439
Exons	1..561		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	8251	Seq. ID	OJ990501_24.9C03.C2

Gene No.	17574	Strand	+
Start	2360	End	2439
Name	OJ990501_24.9C03.C2.o1.gs	Method	GENSCAN
Start	2360	End	2439
GI	none	Score	.67
Exons	2360..2439		

Seq. No.	8251	Seq. ID	OJ990501_24.9C03.C2
Gene No.	17575	Strand	-
Start	3823	End	4298
Name	OJ990501_24.9C03.C2.o2.gs	Method	GENSCAN
Start	3823	End	4298
GI	none	Score	.88
Exons	3823..3914, 4292..4298		

Seq. No.	8252	Seq. ID	OJ990501_24.9C03.C3
Gene No.	17576	Strand	+
Start	11761	End	13309
Name	OJ990501_24.9C03.C3.o1.gp	Method	AAT/GAP
Start	11761	End	13309
GI	LIB3432-047-P2-K11-A9	Score	672
Exons	11761..11911, 12624..12822, 13254..13309		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 3.0e-11 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	8252	Seq. ID	OJ990501_24.9C03.C3
Gene No.	17577	Strand	-
Start	317	End	5114
Name	OJ990501_24.9C03.C3.o1.gs	Method	GENSCAN
Start	317	End	5114
GI	none	Score	.69
Exons	317..418, 3237..3650, 4074..4667, 4744..4897, 5038..5114		

Seq. No.	8252	Seq. ID	OJ990501_24.9C03.C3
Gene No.	17577	Strand	-
Start	317	End	5114
Name	OJ990501_24.9C03.C3.o1.np	Method	AAT/NAP
Start	3554	End	4157
GI	100921	Score	42
Exons	3554..3647, 4071..4157		
GI Descrip.	regulatory protein B-Peru - maize gi|22195|emb|CAA40544| (X57276) regulatory protein [Zea mays]		

Seq. No.	8252	Seq. ID	OJ990501_24.9C03.C3
Gene No.	17578	Strand	-
Start	13853	End	16392
Name	OJ990501_24.9C03.C3.o3.gs	Method	GENSCAN
Start	13853	End	16392
GI	none	Score	.63
Exons	13853..14062, 14078..14140, 16094..16392		

Seq. No.	8252	Seq. ID	OJ990501_24.9C03.C3
Gene No.	17578	Strand	-
Start	13853	End	16392
Name	OJ990501_24.9C03.C3.o2.gp	Method	AAT/GAP
Start	15153	End	15261
GI	uC-osflcyp022c06b2	Score	125

Exons	15153..15261		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	8253	Seq. ID	OJ990501_24.9C03.C4
Gene No.	17579	Strand	+
Start	526	End	777
Name	OJ990501_24.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	523	End	675
GI	none	Score	199
Exons	523..675, 524..670		
Seq. No.	8253	Seq. ID	OJ990501_24.9C03.C4
Gene No.	17579	Strand	+
Start	526	End	777
Name	OJ990501_24.9C03.C4.o1.gs	Method	GENSCAN
Start	526	End	679
GI	none	Score	.49
Exons	526..679		
Seq. No.	8253	Seq. ID	OJ990501_24.9C03.C4
Gene No.	17579	Strand	+
Start	526	End	777
Name	OJ990501_24.9C03.C4.o1.np	Method	AAT/NAP
Start	526	End	777
GI	3413704	Score	90
Exons	526..777		
GI Descrip.	(AC004747) unknown protein [Arabidopsis thaliana]		
Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17580	Strand	+
Start	24	End	1304
Name	OJ990501_24.9C03.C5.o1.gs	Method	GENSCAN
Start	24	End	784
GI	none	Score	.74
Exons	24..58, 408..550, 729..784		
Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17580	Strand	+
Start	24	End	1304
Name	OJ990501_24.9C03.C5.o1.np	Method	AAT/NAP
Start	408	End	1304
GI	3413704	Score	221
Exons	408..550, 1213..1304		
GI Descrip.	(AC004747) unknown protein [Arabidopsis thaliana]		
Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17581	Strand	+
Start	3327	End	13215
Name	OJ990501_24.9C03.C5.o3.gs	Method	GENSCAN
Start	3327	End	9160
GI	none	Score	.63
Exons	3327..5084, 5095..5273, 5309..6313, 6520..6720, 6972..7161, 7448..7932, 8329..8586, 8995..9160		
Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17581	Strand	+

Start	3327	End	13215
Name	OJ990501_24.9C03.C5.o2.np	Method	AAT/NAP
Start	5224	End	9157
GI	4206306	Score	3000
Exons	5224..9157		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17581	Strand	+
Start	3327	End	13215
Name	OJ990501_24.9C03.C5.o3.np	Method	AAT/NAP
Start	5651	End	13215
GI	134780	Score	94
Exons	5651..5746, 10440..10537, 12003..12111, 12963..13215		
GI Descrip.	SPORE COAT PROTEIN SP96 gi|84145|pir||S07638 spore coat protein SP96 precursor - slime mold (Dictyostelium discoideum) gi|295736|emb|CAA34508| (X16491) spore coat protein sp96 [Dictyostelium discoideum]		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17582	Strand	+
Start	15776	End	19014
Name	OJ990501_24.9C03.C5.o4.np	Method	AAT/NAP
Start	15776	End	19014
GI	5852093	Score	57
Exons	15776..15810, 17142..17267, 18981..19014		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17583	Strand	+
Start	19056	End	19443
Name	OJ990501_24.9C03.C5.o6.gs	Method	GENSCAN
Start	19056	End	19443
GI	none	Score	.8
Exons	19056..19121, 19345..19443		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17584	Strand	-
Start	1247	End	3198
Name	OJ990501_24.9C03.C5.o2.gs	Method	GENSCAN
Start	1247	End	3198
GI	none	Score	.75
Exons	1247..1287, 1395..1569, 1890..2074, 3033..3198		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	405	End	1327
GI	none	Score	251
Exons	405..548, 406..549, 409..552, 411..557, 1201..1299, 1211..1300, 1215..1307, 1218..1301, 1220..1327		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o7.tw	Method	TBLASTX:Wheat

Start	4338	End	4628
GI	none	Score	180
Exons	4338..4628		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	5475	End	5834
GI	none	Score	86
Exons	5475..5606, 5612..5833, 5613..5834		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	6039	End	6497
GI	none	Score	461
Exons	6039..6497, 6065..6493		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	6167	End	6509
GI	none	Score	370
Exons	6167..6493, 6168..6509		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	6551	End	6934
GI	none	Score	386
Exons	6551..6934, 6661..6921		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	6608	End	7027
GI	none	Score	427
Exons	6608..7027, 6661..6921		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	6653	End	7036
GI	none	Score	263
Exons	6653..7036, 6706..6846		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	7303	End	7735

GI	none	Score	316
Exons	7303..7725, 7304..7735		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	7936	End	8203
GI	none	Score	228
Exons	7936..8010, 7937..8203, 8062..8202		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	8045	End	8434
GI	none	Score	261
Exons	8045..8434, 8089..8256, 8311..8352		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	8204	End	8563
GI	none	Score	353
Exons	8204..8563, 8296..8556		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	8207	End	8581
GI	none	Score	92
Exons	8207..8350, 8314..8349, 8356..8574, 8357..8581		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o6.tw	Method	TBLASTX:Wheat
Start	8552	End	9148
GI	none	Score	90
Exons	8552..8671, 8696..8830, 8698..8922, 9023..9148		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o6.tm	Method	TBLASTX:Maize
Start	8597	End	8839
GI	none	Score	188
Exons	8597..8839		

Seq. No.	8254	Seq. ID	OJ990501_24.9C03.C5
Gene No.	17585	Strand	-
Start	10444	End	13274
Name	OJ990501_24.9C03.C5.o4.gs	Method	GENSCAN
Start	10444	End	13274
GI	none	Score	.64

Exons	10444..11196, 11469..11793, 11802..12348, 12437..13274		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17586	Strand	+
Start	1	End	14851
Name	OJ990501_24.9C03.C6.o2.np	Method	AAT/NAP
Start	1	End	14851
GI	4680183	Score	197
Exons	1..101, 14082..14150, 14760..14851		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17586	Strand	+
Start	1	End	14851
Name	OJ990501_24.9C03.C6.o2.gp	Method	AAT/GAP
Start	3673	End	3991
GI	none	Score	556
Exons	3673..3991		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17586	Strand	+
Start	1	End	14851
Name	OJ990501_24.9C03.C6.o3.gp	Method	AAT/GAP
Start	4465	End	4914
GI	none	Score	807
Exons	4465..4914		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17586	Strand	+
Start	1	End	14851
Name	OJ990501_24.9C03.C6.o3.gs	Method	GENSCAN
Start	10075	End	12141
GI	none	Score	.74
Exons	10075..10295, 10395..10418, 11556..12141		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17586	Strand	+
Start	1	End	14851
Name	OJ990501_24.9C03.C6.o4.gs	Method	GENSCAN
Start	13143	End	13577
GI	none	Score	.47
Exons	13143..13308, 13444..13577		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17587	Strand	+
Start	15655	End	21081
Name	OJ990501_24.9C03.C6.o3.np	Method	AAT/NAP
Start	15564	End	16539
GI	6721560	Score	188
Exons	15564..15676, 15712..15821, 16345..16539		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17587	Strand	+
Start	15655	End	21081

Name	OJ990501_24.9C03.C6.o5.gs	Method	GENSCAN
Start	15655	End	21081
GI	none	Score	.48
Exons	15655..16036, 16042..16277, 17020..17117, 17380..17544, 18458..18592, 18928..19000, 20260..21081		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17588	Strand	-
Start	486	End	755
Name	OJ990501_24.9C03.C6.o1.gp	Method	AAT/GAP
Start	486	End	755
GI	28898_2.R1084	Score	352
Exons	486..628, 650..755		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	3753	End	4644
GI	none	Score	60
Exons	3753..3800, 3837..3869, 3838..3900, 4003..4365, 4029..4373, 4344..4454, 4345..4455, 4587..4640, 4588..4644		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o6.gs	Method	GENSCAN
Start	22051	End	34813
GI	none	Score	.5
Exons	22051..22185, 22913..23131, 23314..23405, 23743..23781, 24709..24752, 28601..28693, 30611..30669, 30765..30908, 31094..31117, 31770..31842, 31847..31925, 32562..32675, 33491..33618, 33712..33755, 34318..34440, 34710..34813		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	33433	End	33747
GI	none	Score	138
Exons	33433..33642, 33444..33635, 33709..33747, 33711..33746		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	33433	End	33747
GI	none	Score	245
Exons	33433..33624, 33447..33632, 33450..33638, 33703..33747, 33714..33746		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o1.tw	Method	TBLASTX:Wheat

Start	33433	End	33629
GI	none	Score	77
Exons	33433..33549, 33438..33557, 33440..33541, 33441..33545, 33442..33546, 33534..33629, 33536..33616, 33555..33623		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	33441	End	33749
GI	none	Score	132
Exons	33441..33632, 33456..33629, 33714..33749		

Seq. No.	8255	Seq. ID	OJ990501_24.9C03.C6
Gene No.	17589	Strand	-
Start	22051	End	34813
Name	OJ990501_24.9C03.C6.o4.gp	Method	AAT/GAP
Start	33730	End	34810
GI	287062	Score	680
Exons	33730..33776, 34318..34445, 34600..34810		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17590	Strand	+
Start	14568	End	19864
Name	OJ990501_23.9C03.C1.o1.np	Method	AAT/NAP
Start	14501	End	17555
GI	2459435	Score	1393
Exons	14501..14595, 14670..14829, 15250..15351, 15497..15592, 15683..15775, 15872..15951, 16058..16339, 16697..16809, 17192..17555		
GI Descrip.	(AC002332) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17590	Strand	+
Start	14568	End	19864
Name	OJ990501_23.9C03.C1.o3.gs	Method	GENSCAN
Start	14568	End	19864
GI	none	Score	.82
Exons	14568..14829, 15250..15323, 15448..15592, 15872..15951, 16058..16339, 16682..16809, 17192..17456, 18286..18412, 19013..19096, 19821..19864		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17591	Strand	+
Start	20835	End	23432
Name	OJ990501_23.9C03.C1.o1.gp	Method	AAT/GAP
Start	20835	End	23432
GI	206_1.R1084	Score	1370
Exons	20835..20930, 21910..22009, 22085..22132, 22777..22864, 22945..22988, 23074..23432		
GI Descrip.	'6014901/sp|O50070|DAD1_ORYSA 1.0e-58 DEFENDER AGAINST CELL DEATH 1 (DAD-1) (DEFENDER AGAINST APOPTOTIC DEATH 1 PROTEIN) >gi_2723473_dbj_BAA24072_ (D89726) defender against apoptotic death 1 protein [Oryza sativa] >gi_2723883_dbj_BAA24104_ (D89727) defender against apoptotic death 1 protein [Oryza sativa]'		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17591	Strand	+
Start	20835	End	23432
Name	OJ990501_23.9C03.C1.o2.np	Method	AAT/NAP
Start	21929	End	23154
GI	6014901	Score	451
Exons	21929..22009, 22085..22132, 22777..22864, 22945..22988, 23074..23154		
GI Descrip.	DEFENDER AGAINST CELL DEATH 1 (DAD-1) (DEFENDER AGAINST APOPTOTIC DEATH 1 PROTEIN) gi|2723473|dbj|BAA24072| (D89726) defender against apoptotic death 1 protein [Oryza sativa] gi|2723883|dbj|BAA24104| (D89727) defender against apoptotic death 1 protein [Oryza sativa]		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17592	Strand	+
Start	33120	End	35234
Name	OJ990501_23.9C03.C1.o6.gs	Method	GENSCAN
Start	33120	End	35064
GI	none	Score	.83
Exons	33120..33584, 34180..35064		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17592	Strand	+
Start	33120	End	35234
Name	OJ990501_23.9C03.C1.o5.gp	Method	AAT/GAP
Start	33528	End	34521
GI	none	Score	766
Exons	33528..33584, 34180..34521		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17592	Strand	+
Start	33120	End	35234
Name	OJ990501_23.9C03.C1.o6.gp	Method	AAT/GAP
Start	34662	End	35234
GI	4879396	Score	845
Exons	34662..35234		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17593	Strand	+
Start	48795	End	56915
Name	OJ990501_23.9C03.C1.o8.gs	Method	GENSCAN
Start	48795	End	56915
GI	none	Score	.69
Exons	48795..48980, 49347..49438, 49864..50045, 50167..50238, 51820..51900, 52011..52123, 52919..53123, 54903..55034, 56851..56915		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17594	Strand	-
Start	20525	End	20953
Name	OJ990501_23.9C03.C1.o4.gs	Method	GENSCAN
Start	20525	End	20953
GI	none	Score	.99
Exons	20525..20953		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o2.gp	Method	AAT/GAP
Start	24080	End	27026
GI	725_1.R1084	Score	3348
Exons	24080..25606, 25888..25977, 26059..26134, 26975..27026		
GI Descrip.	'399213/sp|P31542|CLAB_LYCES 0.0e+00 ATP-DEPENDENT CLP PROTEASE ATP-BINDING SUBUNIT CLPA HOMOLOG CD4B PRECURSOR >gi_100190_pir__B35905 CD4B protein - tomato >gi_170435 (M32604) ATP-dependent protease (CD4B) [Lycopersicon esculentum]'		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o3.np	Method	AAT/NAP
Start	24428	End	29736
GI	399213	Score	3753
Exons	24428..25606, 25888..25977, 26059..26134, 26975..27192, 27391..27606, 28032..28217, 28300..28422, 28514..28629, 29184..29736		
GI Descrip.	ATP-DEPENDENT CLP PROTEASE ATP-BINDING SUBUNIT CLPA HOMOLOG CD4B PRECURSOR gi|100190|pir||B35905 CD4B protein - tomato gi|170435 (M32604) ATP-dependent protease (CD4B) [Lycopersicon esculentum]		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o5.gs	Method	GENSCAN
Start	24428	End	32164
GI	none	Score	.66
Exons	24428..25606, 25888..25977, 26059..26134, 26975..27192, 27391..27606, 28032..28259, 28300..28422, 28514..28629, 29184..29742, 30329..30375, 31282..31619, 31704..31840, 31941..32081, 32150..32164		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o3.gp	Method	AAT/GAP
Start	27130	End	27539
GI	uC-osf1cyp097b07b1	Score	347
Exons	27130..27192, 27391..27539		
GI Descrip.	'461753/sp|P35100|CLPA_PEA 2.0e-13 ATP-DEPENDENT CLP PROTEASE ATP-BINDING SUBUNIT CLPA HOMOLOG PRECURSOR >gi_419773_pir__S31164 ATP-dependent ClpB proteinase regulatory chain homolog precursor, chloroplast - garden pea >gi_169128 (L09547) nuclear encoded precursor to chloroplast protein [Pisum sativum]'		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o4.gp	Method	AAT/GAP
Start	29388	End	29762
GI	LIB3432-052-P1-K1-D7	Score	696
Exons	29388..29762		

GI Descrip. '2921158 9.0e-19 (AF022909) ClpC [Arabidopsis thaliana]'

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17595	Strand	-
Start	24428	End	32164
Name	OJ990501_23.9C03.C1.o4.np	Method	AAT/NAP
Start	30320	End	32080
GI	2605617	Score	240
Exons	30320..30468, 31394..31673, 31701..31856, 31971..32080		
GI Descrip.	(D88617) OSMYB1 [Oryza sativa]		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17596	Strand	-
Start	35726	End	44363
Name	OJ990501_23.9C03.C1.o7.gs	Method	GENSCAN
Start	35726	End	44363
GI	none	Score	.65
Exons	35726..36012, 37204..37245, 37731..38175, 38303..38411, 39373..39506, 41816..41838, 44336..44363		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17596	Strand	-
Start	35726	End	44363
Name	OJ990501_23.9C03.C1.o5.np	Method	AAT/NAP
Start	35729	End	38461
GI	2459437	Score	521
Exons	35729..36012, 37794..38059, 38093..38461		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17597	Strand	-
Start	56392	End	56485
Name	OJ990501_23.9C03.C1.o10.gp	Method	AAT/GAP
Start	56392	End	56485
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	56392..56485		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o12.tm	Method	TBLASTX:Maize
Start	14637	End	14831
GI	none	Score	246
Exons	14637..14828, 14649..14831		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o9.ts	Method	TBLASTX:Soybean
Start	14663	End	14831
GI	none	Score	210
Exons	14663..14737, 14664..14831		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1

Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o6.tc	Method	TBLASTX:Cress
Start	14670	End	15591
GI	none	Score	217
Exons	14670..14831, 14687..14737, 14760..14831, 15233..15301, 15248..15346, 15253..15372, 15279..15422, 15495..15590, 15496..15591		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	15232	End	16735
GI	none	Score	101
Exons	15232..15321, 15233..15331, 15233..15334, 15279..15338, 15342..15422, 15495..15590, 15496..15591, 15681..15776, 15682..15789, 15688..15789, 15689..15793, 15865..15954, 15870..15950, 15873..15959, 16058..16339, 16058..16339, 16598..16735, 16670..16735		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o2.ts	Method	TBLASTX:Soybean
Start	15248	End	17267
GI	none	Score	109
Exons	15248..15358, 15279..15422, 15495..15590, 15496..15591, 15681..15776, 15682..15789, 15865..15930, 15870..15905, 15931..15954, 16058..16321, 16060..16317, 16694..16780, 17193..17267		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o2.tc	Method	TBLASTX:Cress
Start	15721	End	16282
GI	none	Score	80
Exons	15721..15789, 15747..15776, 15856..15957, 15865..15954, 16058..16282, 16060..16281		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o4.tm	Method	TBLASTX:Maize
Start	16736	End	17555
GI	none	Score	58
Exons	16736..16780, 16737..16784, 16774..16809, 16781..16807, 17184..17306, 17189..17335, 17190..17369, 17363..17509, 17367..17555		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o3.tc	Method	TBLASTX:Cress
Start	17189	End	17555
GI	none	Score	219

Exons	17189..17344, 17193..17369, 17367..17432, 17384..17419, 17432..17509, 17433..17555		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o6.ts	Method	TBLASTX:Soybean
Start	17267	End	17555
GI	none	Score	127
Exons	17267..17368, 17268..17369, 17366..17419, 17367..17432, 17432..17509, 17433..17555		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o7.tm	Method	TBLASTX:Maize
Start	21922	End	23238
GI	none	Score	109
Exons	21922..22008, 21922..22008, 21926..22015, 21929..22009, 22078..22134, 22079..22141, 22773..22856, 22774..22863, 22776..22862, 22941..22988, 22944..22988, 23071..23166, 23073..23153, 23181..23231, 23182..23238		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o8.ts	Method	TBLASTX:Soybean
Start	21938	End	23157
GI	none	Score	73
Exons	21938..22015, 22097..22135, 22774..22863, 22776..22862, 22941..22988, 23052..23153, 23071..23157		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o5.tc	Method	TBLASTX:Cress
Start	21940	End	23157
GI	none	Score	72
Exons	21940..22008, 21941..22015, 22078..22140, 22097..22135, 22774..22863, 22776..22862, 22900..23016, 22941..22988, 23052..23153, 23071..23157		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	24233	End	25614
GI	none	Score	58
Exons	24233..24319, 24242..24319, 24299..24391, 24357..24392, 24420..24566, 24423..25607, 24425..25609, 24428..25609, 24694..25614		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	24428	End	25340

GI	none	Score	652
Exons	24428..25339, 24449..25222, 25122..25340		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	24458	End	29607
GI	none	Score	828
Exons	24458..25609, 24461..25609, 25372..25614, 25871..25921, 25888..25980, 25888..25980, 26056..26142, 26057..26137, 26972..27016, 26977..27198, 26980..27219, 27391..27624, 27391..27594, 27464..27607, 28021..28218, 28029..28253, 28029..28220, 28300..28353, 28301..28351, 28511..28630, 29182..29478, 29182..29607, 29396..29551		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	24464	End	25078
GI	none	Score	744
Exons	24464..25063, 24464..25078, 25017..25070		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o2.tw	Method	TBLASTX:Wheat
Start	25145	End	25502
GI	none	Score	281
Exons	25145..25501, 25146..25502		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o4.ts	Method	TBLASTX:Soybean
Start	25341	End	25588
GI	none	Score	321
Exons	25341..25583, 25343..25585, 25343..25588		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o5.ts	Method	TBLASTX:Soybean
Start	25871	End	28353
GI	none	Score	50
Exons	25871..25918, 25876..25980, 26030..26137, 26056..26142, 26059..26139, 26976..27194, 26977..27219, 26977..27198, 27391..27594, 27392..27607, 27397..27609, 27461..27607, 28027..28218, 28029..28220, 28300..28353, 28301..28351		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o6.tm	Method	TBLASTX:Maize
Start	25935	End	27621
GI	none	Score	66

Exons	25935..25979, 25936..25980, 25938..25979, 26030..26137, 26056..26142, 26059..26139, 26976..27194, 26976..27194, 26977..27219, 26977..27198, 27391..27621, 27391..27591, 27461..27607		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o3.tm	Method	TBLASTX:Maize
Start	28027	End	28627
GI	none	Score	249
Exons	28027..28218, 28029..28220, 28029..28220, 28298..28426, 28300..28425, 28511..28624, 28512..28625, 28514..28627		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o4.tw	Method	TBLASTX:Wheat
Start	28155	End	29466
GI	none	Score	67
Exons	28155..28220, 28156..28218, 28298..28423, 28300..28425, 28301..28351, 28321..28425, 28511..28630, 28512..28667, 29182..29280, 29183..29299, 29275..29466		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o5.tm	Method	TBLASTX:Maize
Start	29182	End	29541
GI	none	Score	235
Exons	29182..29541, 29183..29347, 29396..29500		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o3.ts	Method	TBLASTX:Soybean
Start	29194	End	29613
GI	none	Score	210
Exons	29194..29613, 29195..29347, 29205..29480, 29396..29551		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o7.ts	Method	TBLASTX:Soybean
Start	31523	End	31853
GI	none	Score	55
Exons	31523..31618, 31535..31618, 31701..31853, 31703..31852		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o4.tc	Method	TBLASTX:Cress
Start	31529	End	31853
GI	none	Score	129
Exons	31529..31618, 31701..31853, 31703..31852		
Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1

Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o9.tm	Method	TBLASTX:Maize
Start	31541	End	31853
GI	none	Score	47
Exons	31541..31618, 31571..31618, 31701..31853, 31703..31852		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o3.tw	Method	TBLASTX:Wheat
Start	31562	End	31853
GI	none	Score	80
Exons	31562..31618, 31563..31616, 31701..31853, 31703..31852		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o13.tm	Method	TBLASTX:Maize
Start	33177	End	33398
GI	none	Score	183
Exons	33177..33296, 33197..33295, 33353..33379, 33354..33398		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o8.tm	Method	TBLASTX:Maize
Start	34184	End	34410
GI	none	Score	149
Exons	34184..34408, 34186..34410, 34186..34404, 34224..34409		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o11.tm	Method	TBLASTX:Maize
Start	34534	End	34800
GI	none	Score	109
Exons	34534..34653, 34534..34632, 34535..34645, 34639..34788, 34646..34786, 34651..34800		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o10.tm	Method	TBLASTX:Maize
Start	34843	End	35212
GI	none	Score	256
Exons	34843..35061, 34843..35016, 34845..35078, 35021..35086, 35051..35119, 35159..35212, 35160..35210		

Seq. No.	8256	Seq. ID	OJ990501_23.9C03.C1
Gene No.	17598	Strand	-
Start	57716	End	57851
Name	OJ990501_23.9C03.C1.o9.gs	Method	GENSCAN
Start	57716	End	57851
GI	none	Score	.87
Exons	57716..57851		

Seq. No.	8257	Seq. ID	OJ990501_23.9C03.C2
Gene No.	17599	Strand	-
Start	1	End	627
Name	OJ990501_23.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	627
GI	2498930	Score	719
Exons	1..395, 563..627		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8257	Seq. ID	OJ990501_23.9C03.C2
Gene No.	17599	Strand	-
Start	1	End	627
Name	OJ990501_23.9C03.C2.o1.gs	Method	GENSCAN
Start	93	End	622
GI	none	Score	.46
Exons	93..395, 563..622		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17600	Strand	+
Start	8084	End	11474
Name	OJ990501_23.9C03.C4.o2.gs	Method	GENSCAN
Start	8084	End	11474
GI	none	Score	.47
Exons	8084..8372, 9300..9326, 11323..11474		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17601	Strand	+
Start	12098	End	16865
Name	OJ990501_23.9C03.C4.o3.gs	Method	GENSCAN
Start	12098	End	16027
GI	none	Score	.9
Exons	12098..12226, 13266..13392, 14336..14896, 15405..16027		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17601	Strand	+
Start	12098	End	16865
Name	OJ990501_23.9C03.C4.o1.gp	Method	AAT/GAP
Start	14305	End	14626
GI	2311184	Score	612
Exons	14305..14626		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17601	Strand	+
Start	12098	End	16865
Name	OJ990501_23.9C03.C4.o1.np	Method	AAT/NAP
Start	14755	End	16865
GI	1707016	Score	249
Exons	14755..14936, 15405..15681, 16843..16865		
GI Descrip.	(U78721) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17601	Strand	+
Start	12098	End	16865
Name	OJ990501_23.9C03.C4.o2.gp	Method	AAT/GAP
Start	15414	End	15677

GI	62487_1.R1084	Score	443
Exons	15414..15677		
GI Descrip.	'1707016 1.0e-24 (U78721) cadmium-induced protein isolog [Arabidopsis thaliana]'		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17601	Strand	+
Start	12098	End	16865
Name	OJ990501_23.9C03.C4.o3.gp	Method	AAT/GAP
Start	16043	End	16303
GI	2280842	Score	501
Exons	16043..16303		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17602	Strand	-
Start	16998	End	18389
Name	OJ990501_23.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	14475	End	14733
GI	none	Score	69
Exons	14475..14528, 14476..14628, 14476..14532, 14477..14548, 14659..14733		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17602	Strand	-
Start	16998	End	18389
Name	OJ990501_23.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	15406	End	15598
GI	none	Score	218
Exons	15406..15597, 15440..15598		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17602	Strand	-
Start	16998	End	18389
Name	OJ990501_23.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	15406	End	15598
GI	none	Score	218
Exons	15406..15597, 15440..15598		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17602	Strand	-
Start	16998	End	18389
Name	OJ990501_23.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	15421	End	15610
GI	none	Score	199
Exons	15421..15597, 15440..15610		

Seq. No.	8258	Seq. ID	OJ990501_23.9C03.C4
Gene No.	17602	Strand	-
Start	16998	End	18389
Name	OJ990501_23.9C03.C4.o4.gs	Method	GENSCAN
Start	16998	End	18389
GI	none	Score	.52
Exons	16998..17022, 17889..18116, 18280..18389		

Seq. No.	8259	Seq. ID	OJ990501_23.9C03.C5
Gene No.	17603	Strand	+
Start	1534	End	4769

Name	OJ990501_23.9C03.C5.o1.gs	Method	GENSCAN
Start	1534	End	4769
GI	none	Score	.51
Exons	1534..1691, 2096..2180, 3496..3567, 4581..4769		

Seq. No.	8259	Seq. ID	OJ990501_23.9C03.C5
Gene No.	17603	Strand	+
Start	1534	End	4769
Name	OJ990501_23.9C03.C5.o1.gp	Method	AAT/GAP
Start	3927	End	4026
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	3927..4026		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8259	Seq. ID	OJ990501_23.9C03.C5
Gene No.	17604	Strand	-
Start	3981	End	4438
Name	OJ990501_23.9C03.C5.o2.gp	Method	AAT/GAP
Start	3981	End	4438
GI	LIB3432-059-P1-K1-D8	Score	773
Exons	3981..4438		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	8259	Seq. ID	OJ990501_23.9C03.C5
Gene No.	17605	Strand	-
Start	5808	End	13759
Name	OJ990501_23.9C03.C5.o2.gs	Method	GENSCAN
Start	5808	End	13759
GI	none	Score	.56
Exons	5808..5912, 6064..6226, 6748..6835, 11097..11210, 13541..13759		

Seq. No.	8260	Seq. ID	OJ990501_23.9C03.C6
Gene No.	17606	Strand	+
Start	6490	End	7842
Name	OJ990501_23.9C03.C6.o2.gs	Method	GENSCAN
Start	6490	End	7728
GI	none	Score	.61
Exons	6490..6946, 7206..7315, 7593..7728		

Seq. No.	8260	Seq. ID	OJ990501_23.9C03.C6
Gene No.	17606	Strand	+
Start	6490	End	7842
Name	OJ990501_23.9C03.C6.o1.np	Method	AAT/NAP
Start	6506	End	7842
GI	3334349	Score	476
Exons	6506..6684, 7593..7842		
GI Descrip.	GLYCYL-TRNA SYNTHETASE (GLYCINE--TRNA LIGASE) (GLYRS) gi|2564215|emb|CAA05162| (AJ002062) glycyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	8260	Seq. ID	OJ990501_23.9C03.C6
Gene No.	17606	Strand	+
Start	6490	End	7842
Name	OJ990501_23.9C03.C6.o1.tc	Method	TBLASTX:Cress

Start	6529	End	7763
GI	none	Score	250
Exons	6529..6684, 6531..6680, 7588..7749, 7589..7732, 7593..7763, 7606..7752		

Seq. No.	8260	Seq. ID	OJ990501_23.9C03.C6
Gene No.	17606	Strand	+
Start	6490	End	7842
Name	OJ990501_23.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	6529	End	7763
GI	none	Score	238
Exons	6529..6684, 6531..6683, 7592..7732, 7593..7763, 7594..7758		

Seq. No.	8260	Seq. ID	OJ990501_23.9C03.C6
Gene No.	17606	Strand	+
Start	6490	End	7842
Name	OJ990501_23.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	6529	End	7763
GI	none	Score	263
Exons	6529..6684, 6531..6683, 7591..7761, 7592..7732, 7593..7763		

Seq. No.	8261	Seq. ID	OJ990501_22.9C10.C1
Gene No.	17607	Strand	-
Start	1	End	447
Name	OJ990501_22.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	447
GI	3482940	Score	212
Exons	1..447		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8261	Seq. ID	OJ990501_22.9C10.C1
Gene No.	17607	Strand	-
Start	1	End	447
Name	OJ990501_22.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	114	End	425
GI	none	Score	57
Exons	114..293, 327..425, 340..417		

Seq. No.	8261	Seq. ID	OJ990501_22.9C10.C1
Gene No.	17607	Strand	-
Start	1	End	447
Name	OJ990501_22.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	114	End	434
GI	none	Score	74
Exons	114..293, 321..434		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17608	Strand	+
Start	1	End	167
Name	OJ990501_22.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	167
GI	5922623	Score	69
Exons	1..167		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17609	Strand	+
Start	1009	End	4317
Name	OJ990501_22.9C10.C2.o1.gs	Method	GENSCAN
Start	1009	End	4317
GI	none	Score	.51
Exons	1009..4317		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17609	Strand	+
Start	1009	End	4317
Name	OJ990501_22.9C10.C2.o2.np	Method	AAT/NAP
Start	1009	End	4314
GI	6907089	Score	4254
Exons	1009..2270, 2370..4314		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17610	Strand	+
Start	11166	End	12005
Name	OJ990501_22.9C10.C2.o4.np	Method	AAT/NAP
Start	11166	End	12005
GI	5922623	Score	266
Exons	11166..11246, 11604..11762, 11930..12005		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	1141	End	9305
GI	none	Score	165
Exons	1141..1245, 8822..9304, 8850..9110, 9132..9305		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	4896	End	5077
GI	none	Score	129
Exons	4896..5072, 4910..5077		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o3.np	Method	AAT/NAP
Start	4937	End	10583
GI	6498441	Score	6811
Exons	4937..5218, 5312..6709, 6881..7342, 7535..7796, 7971..8105, 8289..8662, 8726..9189, 9520..10583		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	4946	End	5548
GI	none	Score	83
Exons	4946..5071, 4950..5072, 5257..5547, 5264..5548, 5265..5543		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	5549	End	5930
GI	none	Score	165
Exons	5549..5929, 5580..5828, 5874..5930		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	5744	End	6067
GI	none	Score	192
Exons	5744..6067, 5757..6038		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	6260	End	6572
GI	none	Score	67
Exons	6260..6520, 6396..6572		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	6320	End	6886
GI	5666795	Score	68
Exons	6320..6520, 6575..6712, 6788..6886		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	6575	End	10035
GI	none	Score	92
Exons	6575..6724, 6576..6713, 6578..6715, 6771..6944, 6785..7036, 6785..7009, 9982..10035		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	7634	End	8005
GI	none	Score	90
Exons	7634..8005, 7845..7988		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	7659	End	8084
GI	none	Score	333
Exons	7659..8084, 7664..8083		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	7757	End	8141
GI	none	Score	226
Exons	7757..8140, 7776..8141		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	8168	End	8524
GI	none	Score	116
Exons	8168..8473, 8168..8524, 8178..8489		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	8192	End	8654
GI	none	Score	400
Exons	8192..8653, 8193..8654		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	8249	End	8614
GI	none	Score	117
Exons	8249..8383, 8390..8614		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	10043	End	10381
GI	none	Score	83
Exons	10043..10300, 10155..10316, 10283..10381, 10284..10364		

Seq. No.	8262	Seq. ID	OJ990501_22.9C10.C2
Gene No.	17611	Strand	-
Start	4937	End	10583
Name	OJ990501_22.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	10145	End	10430
GI	none	Score	89
Exons	10145..10393, 10146..10430		

Seq. No.	8263	Seq. ID	OJ990501_22.9C10.C3
Gene No.	17612	Strand	+
Start	1075	End	1813
Name	OJ990501_22.9C10.C3.o1.gs	Method	GENSCAN
Start	1075	End	1813
GI	none	Score	.52
Exons	1075..1813		

Seq. No.	8263	Seq. ID	OJ990501_22.9C10.C3
Gene No.	17613	Strand	-
Start	1138	End	3229
Name	OJ990501_22.9C10.C3.o1.np	Method	AAT/NAP
Start	1138	End	3125
GI	119714	Score	122
Exons	1138..1817, 2689..2742, 2961..3125		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	8263	Seq. ID	OJ990501_22.9C10.C3
Gene No.	17613	Strand	-
Start	1138	End	3229
Name	OJ990501_22.9C10.C3.o2.gs	Method	GENSCAN
Start	2793	End	3229
GI	none	Score	.95
Exons	2793..3229		

Seq. No.	8264	Seq. ID	OJ990501_22.9C10.C4
Gene No.	17614	Strand	-
Start	1312	End	1566
Name	OJ990501_22.9C10.C4.o1.gs	Method	GENSCAN
Start	1312	End	1566
GI	none	Score	.81
Exons	1312..1343, 1394..1566		

Seq. No.	8265	Seq. ID	OJ990501_22.9C10.C5
Gene No.	17615	Strand	+
Start	43	End	124
Name	OJ990501_22.9C10.C5.o1.gp	Method	AAT/GAP
Start	43	End	124
GI	none	Score	119
Exons	43..124		

Seq. No.	8265	Seq. ID	OJ990501_22.9C10.C5
Gene No.	17616	Strand	+
Start	206	End	284
Name	OJ990501_22.9C10.C5.o1.np	Method	AAT/NAP
Start	206	End	284
GI	5922623	Score	58
Exons	206..284		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8265	Seq. ID	OJ990501_22.9C10.C5
Gene No.	17617	Strand	-

Start	423	End	470
Name	OJ990501_22.9C10.C5.o1.gs	Method	GENSCAN
Start	423	End	470
GI	none	Score	.56
Exons	423..470		

Seq. No.	8266	Seq. ID	OJ990501_22.9C10.C6
Gene No.	17618	Strand	+
Start	707	End	811
Name	OJ990501_22.9C10.C6.o1.gs	Method	GENSCAN
Start	707	End	811
GI	none	Score	.55
Exons	707..811		

Seq. No.	8266	Seq. ID	OJ990501_22.9C10.C6
Gene No.	17619	Strand	-
Start	1134	End	1226
Name	OJ990501_22.9C10.C6.o2.gs	Method	GENSCAN
Start	1134	End	1226
GI	none	Score	.91
Exons	1134..1226		

Seq. No.	8267	Seq. ID	OJ990501_22.9C10.C8
Gene No.	17620	Strand	-
Start	140	End	358
Name	OJ990501_22.9C10.C8.o1.gs	Method	GENSCAN
Start	140	End	358
GI	none	Score	.8
Exons	140..358		

Seq. No.	8268	Seq. ID	OJ990501_22.9C10.C9
Gene No.	17621	Strand	+
Start	1144	End	1432
Name	OJ990501_22.9C10.C9.o1.gs	Method	GENSCAN
Start	1144	End	1432
GI	none	Score	.52
Exons	1144..1306, 1369..1432		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17622	Strand	+
Start	2573	End	6642
Name	OJ990501_22.9C10.C10.o1.gs	Method	GENSCAN
Start	2573	End	6642
GI	none	Score	.43
Exons	2573..2655, 4010..4326, 4351..4459, 4539..4683, 4724..4813, 5357..5444, 5844..5942, 6545..6642		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17623	Strand	-
Start	1	End	1940
Name	OJ990501_22.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	1940
GI	4582447	Score	391
Exons	1..1208, 1849..1940		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17624	Strand	-
Start	2497	End	11876
Name	OJ990501_22.9C10.C10.o2.np	Method	AAT/NAP
Start	2497	End	8918
GI	6498441	Score	101
Exons	2497..2523, 5563..5625, 5756..5961, 8896..8918		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17624	Strand	-
Start	2497	End	11876
Name	OJ990501_22.9C10.C10.o2.gs	Method	GENSCAN
Start	8795	End	11876
GI	none	Score	.8
Exons	8795..9286, 9618..10030, 10136..10451, 10532..10785, 11577..11642, 11723..11876		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17625	Strand	-
Start	13393	End	13608
Name	OJ990501_22.9C10.C10.o3.gs	Method	GENSCAN
Start	13393	End	13608
GI	none	Score	.74
Exons	13393..13608		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	56	End	670
GI	none	Score	111
Exons	56..670, 63..311, 339..551		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	60	End	373
GI	none	Score	81
Exons	60..188, 65..187, 188..373, 189..305		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o2.tw	Method	TBLASTX:Wheat
Start	377	End	619
GI	none	Score	88
Exons	377..619, 410..496, 444..596		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	10137	End	17609

GI	none	Score	77
Exons	10137..10331, 10177..10317, 10339..10446, 10347..10448, 15376..15483, 15560..15682, 16186..16380, 16244..16384, 16402..16518, 16418..16507, 16968..17117, 17334..17405, 17454..17609		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	10137	End	16506
GI	none	Score	62
Exons	10137..10316, 10326..10445, 10354..10446, 15812..15925, 16201..16386, 16423..16506		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	10167	End	16898
GI	none	Score	81
Exons	10167..10316, 10339..10446, 10362..10448, 10562..10645, 16231..16380, 16423..16509, 16424..16507, 16662..16748, 16818..16898		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o1.gp	Method	AAT/GAP
Start	14844	End	15350
GI	LIB3433-006-Q6-K6-A3	Score	946
Exons	14844..15350		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o4.gs	Method	GENSCAN
Start	15103	End	18547
GI	none	Score	.88
Exons	15103..15474, 15563..15969, 16200..16512, 16614..17959, 18257..18326, 18470..18547		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o3.np	Method	AAT/NAP
Start	15376	End	18674
GI	4646232	Score	1247
Exons	15376..15474, 15563..15969, 16200..16512, 16614..17286, 17317..17984, 18623..18674		
GI Descrip.	(AC007266) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o2.gp	Method	AAT/GAP
Start	16375	End	16954
GI	27747_1.R1084	Score	938
Exons	16375..16512, 16614..16954		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	8269	Seq. ID	OJ990501_22.9C10.C10
Gene No.	17626	Strand	-
Start	14844	End	18674
Name	OJ990501_22.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	17397	End	17924
GI	none	Score	67
Exons	17397..17582, 17658..17924, 17694..17801		

Seq. No.	8270	Seq. ID	OJ990501_22.9C10.C11
Gene No.	17627	Strand	+
Start	187	End	296
Name	OJ990501_22.9C10.C11.o1.gs	Method	GENSCAN
Start	187	End	296
GI	none	Score	.79
Exons	187..296		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17628	Strand	+
Start	572	End	1051
Name	OJ990501_22.9C10.C12.o1.gs	Method	GENSCAN
Start	572	End	1051
GI	none	Score	.83
Exons	572..1051		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17629	Strand	+
Start	7312	End	7614
Name	OJ990501_22.9C10.C12.o3.gs	Method	GENSCAN
Start	7312	End	7614
GI	none	Score	.52
Exons	7312..7614		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17630	Strand	-
Start	1	End	924
Name	OJ990501_22.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	924
GI	4646231	Score	86
Exons	1..19, 657..924		
GI Descrip.	(AC007266) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	3933	End	4227

GI	none	Score	154
Exons	3933..4127, 3939..4151, 3980..4129, 4143..4220, 4153..4227		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	4884	End	5146
GI	none	Score	133
Exons	4884..5141, 4897..5058, 4907..5146		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	5279	End	5800
GI	none	Score	66
Exons	5279..5374, 5331..5378, 5478..5573, 5483..5800, 5492..5800		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o2.np	Method	AAT/NAP
Start	5492	End	7610
GI	6967112	Score	385
Exons	5492..6242, 7566..7610		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	5726	End	6962
GI	none	Score	105
Exons	5726..5983, 5726..6121, 5730..6122, 6897..6962		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o5.tm	Method	TBLASTX:Maize
Start	5804	End	5984
GI	none	Score	69
Exons	5804..5983, 5806..5970, 5810..5983, 5856..5984		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	5813	End	6204
GI	none	Score	112
Exons	5813..5977, 5813..5974, 5985..6110, 5990..6145, 6148..6204		

Seq. No.	8271	Seq. ID	OJ990501_22.9C10.C12
Gene No.	17631	Strand	-
Start	5492	End	7610
Name	OJ990501_22.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	5984	End	6583

GI	none	Score	120
Exons	5984..6121, 5985..6122, 6130..6288, 6140..6277, 6270..6377, 6274..6375, 6385..6582, 6392..6583		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17632	Strand	+
Start	771	End	7029
Name	OJ990501_22.9C10.C13.o1.gs	Method	GENSCAN
Start	771	End	6286
GI	none	Score	.83
Exons	771..800, 2098..2167, 3749..4001, 4150..4345, 6182..6286		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17632	Strand	+
Start	771	End	7029
Name	OJ990501_22.9C10.C13.o1.gp	Method	AAT/GAP
Start	3707	End	5311
GI	21285_1.R1084	Score	1421
Exons	3707..4001, 4150..4345, 5000..5311		
GI Descrip.	'731718/sp|P38838|YHT4_YEAST 7.0e-15 HYPOTHETICAL 30.6 KD PROTEIN IN ACT5-YCK1 INTERGENIC REGION >gi_626657_pir__S48978 hypothetical protein YHR134w - yeast (Saccharomyces cerevisiae) >gi_500671 (U10398) Yhr134wp [Saccharomyces cerevisiae]'		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17632	Strand	+
Start	771	End	7029
Name	OJ990501_22.9C10.C13.o2.gp	Method	AAT/GAP
Start	6084	End	7029
GI	none	Score	1033
Exons	6084..6302, 6637..7029		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o2.tc	Method	TBLASTX:Cress
Start	5066	End	6234
GI	none	Score	89
Exons	5066..5179, 5089..5172, 5217..5294, 5218..5331, 5218..5295, 5458..5532, 6093..6233, 6103..6234		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	5296	End	6281
GI	none	Score	92
Exons	5296..5370, 5299..5361, 5303..5386, 5378..5455, 5379..5450, 5468..5527, 5469..5531, 5469..5531, 5470..5535, 5470..5535, 6084..6281, 6087..6275, 6103..6276		

Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o1.np	Method	AAT/NAP
Start	8138	End	9208
GI	3219273	Score	1017

Exons	8138..9208		
GI Descrip.	(AB015316) MAP kinase kinase 5 [Arabidopsis thaliana]		
Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	8192	End	9139
GI	none	Score	73
Exons	8192..8233, 8377..8622, 8396..8959, 8716..8871, 8905..8958, 8969..9139, 8974..9132		
Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o2.gs	Method	GENSCAN
Start	8219	End	9342
GI	none	Score	.61
Exons	8219..8960, 9056..9342		
Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	8371	End	8521
GI	none	Score	207
Exons	8371..8520, 8396..8521		
Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	8492	End	9142
GI	none	Score	626
Exons	8492..8959, 8494..8958, 8926..8961, 8962..9036, 8969..9142, 8971..9012		
Seq. No.	8272	Seq. ID	OJ990501_22.9C10.C13
Gene No.	17633	Strand	+
Start	8219	End	9342
Name	OJ990501_22.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	8524	End	9145
GI	none	Score	106
Exons	8524..8634, 8525..8635, 8657..8713, 8660..8719, 8708..9145, 8711..9139, 8716..9144		
Seq. No.	8273	Seq. ID	OJ990501_22.9C10.C15
Gene No.	17634	Strand	+
Start	2453	End	3321
Name	OJ990501_22.9C10.C15.o1.np	Method	AAT/NAP
Start	2453	End	3321
GI	3219273	Score	344
Exons	2453..3321		
GI Descrip.	(AB015316) MAP kinase kinase 5 [Arabidopsis thaliana]		
Seq. No.	8273	Seq. ID	OJ990501_22.9C10.C15
Gene No.	17634	Strand	+

Start	2453	End	3321
Name	OJ990501_22.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	2639	End	3283
GI	none	Score	67
Exons	2639..2719, 2834..3052, 2926..3027, 3065..3109, 3134..3196, 3244..3282, 3245..3283		

Seq. No.	8273	Seq. ID	OJ990501_22.9C10.C15
Gene No.	17634	Strand	+
Start	2453	End	3321
Name	OJ990501_22.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	2765	End	3037
GI	none	Score	46
Exons	2765..2809, 2834..3037, 2834..3037		

Seq. No.	8273	Seq. ID	OJ990501_22.9C10.C15
Gene No.	17634	Strand	+
Start	2453	End	3321
Name	OJ990501_22.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	2834	End	3283
GI	none	Score	202
Exons	2834..3052, 2926..3036, 3065..3109, 3134..3196, 3142..3213, 3244..3273, 3245..3283		

Seq. No.	8274	Seq. ID	OJ990501_22.9C10.C17
Gene No.	17635	Strand	-
Start	1	End	597
Name	OJ990501_22.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	597
GI	2498930	Score	665
Exons	1..366, 534..597		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8274	Seq. ID	OJ990501_22.9C10.C17
Gene No.	17635	Strand	-
Start	1	End	597
Name	OJ990501_22.9C10.C17.o1.gs	Method	GENSCAN
Start	15	End	593
GI	none	Score	.95
Exons	15..366, 534..593		

Seq. No.	8275	Seq. ID	OJ990501_22.9C10.C19
Gene No.	17636	Strand	+
Start	209	End	628
Name	OJ990501_22.9C10.C19.o1.gs	Method	GENSCAN
Start	209	End	628
GI	none	Score	.47
Exons	209..403, 459..628		

Seq. No.	8276	Seq. ID	OJ990501_22.9C10.C20
Gene No.	17637	Strand	+
Start	300	End	387
Name	OJ990501_22.9C10.C20.o1.gs	Method	GENSCAN
Start	300	End	387
GI	none	Score	.66
Exons	300..387		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17638	Strand	+
Start	10432	End	11526
Name	OJ990501_22.9C10.C23.o2.np	Method	AAT/NAP
Start	10432	End	11526
GI	3522946	Score	420
Exons	10432..11106, 11406..11526		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17639	Strand	-
Start	383	End	1036
Name	OJ990501_22.9C10.C23.o1.gs	Method	GENSCAN
Start	383	End	1036
GI	none	Score	.83
Exons	383..521, 853..1036		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o2.gs	Method	GENSCAN
Start	3096	End	4199
GI	none	Score	.87
Exons	3096..4199		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o3.tm	Method	TBLASTX:Maize
Start	3421	End	3689
GI	none	Score	158
Exons	3421..3666, 3429..3623, 3645..3689		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o1.np	Method	AAT/NAP
Start	3932	End	9923
GI	4539658	Score	202
Exons	3932..3953, 7566..7669, 7940..8033, 8074..8156, 9886..9923		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o1.gp	Method	AAT/GAP
Start	4052	End	4283
GI	LIB3432-009-P1-K1-H11	Score	400
Exons	4052..4283		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23

Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o3.gs	Method	GENSCAN
Start	4906	End	7987
GI	none	Score	.8
Exons	4906..5038, 5458..5577, 5883..5995, 6647..6962, 7044..7217, 7593..7987		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17640	Strand	-
Start	3096	End	9923
Name	OJ990501_22.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	8923	End	9395
GI	none	Score	132
Exons	8923..9060, 8930..9058, 8931..9065, 8931..9059, 9054..9104, 9061..9108, 9061..9114, 9209..9328, 9218..9277, 9234..9284, 9348..9395, 9349..9390		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17641	Strand	
Start	10530	End	11101
Name	OJ990501_22.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	10530	End	11101
GI	none	Score	69
Exons	10530..10622, 10634..10849, 10846..10953, 10850..10966, 11030..11101, 11035..11094		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17641	Strand	
Start	10530	End	11101
Name	OJ990501_22.9C10.C23.o2.tm	Method	TBLASTX:Maize
Start	10637	End	11095
GI	none	Score	72
Exons	10637..10747, 10699..10959, 10700..10960, 11030..11095, 11035..11085		

Seq. No.	8277	Seq. ID	OJ990501_22.9C10.C23
Gene No.	17641	Strand	
Start	10530	End	11101
Name	OJ990501_22.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	10837	End	11086
GI	none	Score	151
Exons	10837..10959, 10838..10960, 10910..10984, 11032..11085, 11033..11086		

Seq. No.	8278	Seq. ID	OJ990501_22.9C10.C24
Gene No.	17642	Strand	+
Start	727	End	899
Name	OJ990501_22.9C10.C24.o1.np	Method	AAT/NAP
Start	727	End	899
GI	6721512	Score	50
Exons	727..899		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8278	Seq. ID	OJ990501_22.9C10.C24
Gene No.	17643	Strand	-
Start	325	End	794

Name	OJ990501_22.9C10.C24.o1.gs	Method	GENSCAN
Start	325	End	794
GI	none	Score	.83
Exons	325..648, 705..794		

Seq. No.	8279	Seq. ID	OJ990501_22.9C10.C25
Gene No.	17644	Strand	+
Start	697	End	2067
Name	OJ990501_22.9C10.C25.o1.gp	Method	AAT/GAP
Start	697	End	1106
GI	LIB3432-009-P1-K1-H11	Score	784
Exons	697..1106		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	8279	Seq. ID	OJ990501_22.9C10.C25
Gene No.	17644	Strand	+
Start	697	End	2067
Name	OJ990501_22.9C10.C25.o1.gs	Method	GENSCAN
Start	781	End	2067
GI	none	Score	.48
Exons	781..2067		

Seq. No.	8279	Seq. ID	OJ990501_22.9C10.C25
Gene No.	17644	Strand	+
Start	697	End	2067
Name	OJ990501_22.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	1384	End	1654
GI	none	Score	38
Exons	1384..1419, 1403..1636, 1408..1641, 1408..1653, 1490..1654		

Seq. No.	8280	Seq. ID	OJ990501_22.9C10.C26
Gene No.	17645	Strand	+
Start	1197	End	1813
Name	OJ990501_22.9C10.C26.o1.gs	Method	GENSCAN
Start	1197	End	1813
GI	none	Score	.84
Exons	1197..1289, 1450..1593, 1673..1813		

Seq. No.	8281	Seq. ID	OJ990501_22.9C10.C27
Gene No.	17646	Strand	+
Start	154	End	2178
Name	OJ990501_22.9C10.C27.o1.np	Method	AAT/NAP
Start	154	End	1831
GI	6539588	Score	151
Exons	154..468, 1773..1831		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8281	Seq. ID	OJ990501_22.9C10.C27
Gene No.	17646	Strand	+
Start	154	End	2178
Name	OJ990501_22.9C10.C27.o1.gs	Method	GENSCAN
Start	181	End	2178
GI	none	Score	.47
Exons	181..426, 1242..1419, 2108..2178		

Seq. No.	8282	Seq. ID	OJ990501_22.9C10.C28
Gene No.	17647	Strand	-
Start	1	End	2819
Name	OJ990501_22.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	707
GI	6907086	Score	316
Exons	1..707		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8282	Seq. ID	OJ990501_22.9C10.C28
Gene No.	17647	Strand	-
Start	1	End	2819
Name	OJ990501_22.9C10.C28.o1.gs	Method	GENSCAN
Start	73	End	2523
GI	none	Score	.44
Exons	73..369, 1011..1099, 1960..2063, 2368..2523		

Seq. No.	8282	Seq. ID	OJ990501_22.9C10.C28
Gene No.	17647	Strand	-
Start	1	End	2819
Name	OJ990501_22.9C10.C28.o2.np	Method	AAT/NAP
Start	1402	End	2819
GI	4680186	Score	192
Exons	1402..1815, 2391..2565, 2785..2819		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8283	Seq. ID	OJ990501_22.9C10.C29
Gene No.	17648	Strand	+
Start	136	End	989
Name	OJ990501_22.9C10.C29.o1.gs	Method	GENSCAN
Start	136	End	989
GI	none	Score	.86
Exons	136..208, 324..367, 792..989		

Seq. No.	8283	Seq. ID	OJ990501_22.9C10.C29
Gene No.	17649	Strand	-
Start	1	End	893
Name	OJ990501_22.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	893
GI	5922623	Score	71
Exons	1..29, 816..893		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8283	Seq. ID	OJ990501_22.9C10.C29
Gene No.	17650	Strand	-
Start	1466	End	2514
Name	OJ990501_22.9C10.C29.o2.gs	Method	GENSCAN
Start	1466	End	2514
GI	none	Score	.56
Exons	1466..1593, 1760..2027, 2109..2251, 2378..2514		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17651	Strand	+
Start	1253	End	1544

Name	OJ990501_22.9C10.C30.o1.gs	Method	GENSCAN
Start	1253	End	1544
GI	none	Score	.44
Exons	1253..1416, 1456..1544		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17652	Strand	+
Start	3247	End	10900
Name	OJ990501_22.9C10.C30.o2.np	Method	AAT/NAP
Start	3247	End	8051
GI	6466937	Score	1770
Exons	3247..3270, 4790..8051		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17652	Strand	+
Start	3247	End	10900
Name	OJ990501_22.9C10.C30.o3.gs	Method	GENSCAN
Start	4544	End	10900
GI	none	Score	.83
Exons	4544..5228, 5304..8628, 9047..9149, 10833..10900		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17653	Strand	-
Start	1234	End	1423
Name	OJ990501_22.9C10.C30.o1.gp	Method	AAT/GAP
Start	1234	End	1423
GI	3061021	Score	282
Exons	1234..1423		
GI Descrip.	2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17654	Strand	-
Start	1444	End	4172
Name	OJ990501_22.9C10.C30.o1.np	Method	AAT/NAP
Start	1444	End	4172
GI	3482941	Score	482
Exons	1444..1466, 2744..3024, 3124..3536, 3650..3990, 4048..4172		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17654	Strand	-
Start	1444	End	4172
Name	OJ990501_22.9C10.C30.o2.gs	Method	GENSCAN
Start	2601	End	4134
GI	none	Score	.47
Exons	2601..2785, 2946..3024, 3124..3493, 3499..3536, 3829..4134		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17654	Strand	-
Start	1444	End	4172
Name	OJ990501_22.9C10.C30.o1.tc	Method	TBLASTX:Cress

Start	3651	End	3967
GI	none	Score	86
Exons	3651..3809, 3854..3967, 3856..3960		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17655	Strand	
Start	4781	End	5014
Name	OJ990501_22.9C10.C30.o5.tm	Method	TBLASTX:Maize
Start	4781	End	5014
GI	none	Score	234
Exons	4781..5014, 4786..5013		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17656	Strand	
Start	6101	End	6637
Name	OJ990501_22.9C10.C30.o1.tw	Method	TBLASTX:Wheat
Start	6101	End	6583
GI	none	Score	419
Exons	6101..6583, 6205..6540, 6266..6556		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17656	Strand	
Start	6101	End	6637
Name	OJ990501_22.9C10.C30.o3.ts	Method	TBLASTX:Soybean
Start	6137	End	6451
GI	none	Score	220
Exons	6137..6451		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17656	Strand	
Start	6101	End	6637
Name	OJ990501_22.9C10.C30.o2.tm	Method	TBLASTX:Maize
Start	6164	End	6637
GI	none	Score	519
Exons	6164..6637, 6238..6636		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17657	Strand	
Start	6560	End	7357
Name	OJ990501_22.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	6560	End	6928
GI	none	Score	336
Exons	6560..6928		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17657	Strand	
Start	6560	End	7357
Name	OJ990501_22.9C10.C30.o2.tw	Method	TBLASTX:Wheat
Start	6632	End	7030
GI	none	Score	249
Exons	6632..6910, 6896..7030		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17657	Strand	
Start	6560	End	7357
Name	OJ990501_22.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	6710	End	7129

GI	none	Score	522
Exons	6710..7129, 6853..7101		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17657	Strand	
Start	6560	End	7357
Name	OJ990501_22.9C10.C30.o4.ts	Method	TBLASTX:Soybean
Start	6941	End	7186
GI	none	Score	200
Exons	6941..7186, 6967..7089		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17657	Strand	
Start	6560	End	7357
Name	OJ990501_22.9C10.C30.o4.tw	Method	TBLASTX:Wheat
Start	7040	End	7357
GI	none	Score	189
Exons	7040..7357		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17658	Strand	
Start	7289	End	7591
Name	OJ990501_22.9C10.C30.o6.tm	Method	TBLASTX:Maize
Start	7289	End	7591
GI	none	Score	202
Exons	7289..7591		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17659	Strand	
Start	7598	End	8050
Name	OJ990501_22.9C10.C30.o4.tm	Method	TBLASTX:Maize
Start	7598	End	8050
GI	none	Score	43
Exons	7598..7705, 7732..7917, 7769..8050, 7942..8046		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17659	Strand	
Start	7598	End	8050
Name	OJ990501_22.9C10.C30.o2.ts	Method	TBLASTX:Soybean
Start	7615	End	7999
GI	none	Score	46
Exons	7615..7998, 7616..7717, 7737..7787, 7766..7999		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17660	Strand	
Start	8060	End	8338
Name	OJ990501_22.9C10.C30.o3.tw	Method	TBLASTX:Wheat
Start	8060	End	8338
GI	none	Score	194
Exons	8060..8338		

Seq. No.	8284	Seq. ID	OJ990501_22.9C10.C30
Gene No.	17661	Strand	
Start	8240	End	8596
Name	OJ990501_22.9C10.C30.o3.tm	Method	TBLASTX:Maize
Start	8240	End	8596
GI	none	Score	305

Exons	8240..8596, 8302..8589		
Seq. No.	8285	Seq. ID	OJ990501_22.9C10.C31
Gene No.	17662	Strand	+
Start	343	End	1048
Name	OJ990501_22.9C10.C31.o1.gs	Method	GENSCAN
Start	343	End	1048
GI	none	Score	.85
Exons	343..461, 858..1048		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17663	Strand	+
Start	821	End	1793
Name	OJ990501_22.9C10.C32.o1.gs	Method	GENSCAN
Start	821	End	1793
GI	none	Score	.87
Exons	821..903, 1722..1793		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17664	Strand	+
Start	9791	End	11259
Name	OJ990501_22.9C10.C32.o3.gs	Method	GENSCAN
Start	9791	End	11259
GI	none	Score	.77
Exons	9791..9944, 10033..10314, 10635..10899, 11161..11259		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17665	Strand	-
Start	1313	End	7538
Name	OJ990501_22.9C10.C32.o1.np	Method	AAT/NAP
Start	1313	End	6778
GI	3482940	Score	652
Exons	1313..1366, 2506..2856, 2985..3397, 3511..3838, 3891..4108, 6716..6778		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17665	Strand	-
Start	1313	End	7538
Name	OJ990501_22.9C10.C32.o2.gs	Method	GENSCAN
Start	2428	End	7538
GI	none	Score	.86
Exons	2428..2856, 2985..3397, 3511..3618, 3742..3826, 3909..4162, 6619..6695, 7477..7538		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17666	Strand	-
Start	9487	End	9941
Name	OJ990501_22.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	3240	End	3820
GI	none	Score	74
Exons	3240..3323, 3512..3691, 3737..3820		
Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17666	Strand	-
Start	9487	End	9941

Name	OJ990501_22.9C10.C32.o1.tc	Method	TBLASTX:Cress
Start	3512	End	3827
GI	none	Score	77
Exons	3512..3691, 3714..3827, 3722..3820		

Seq. No.	8286	Seq. ID	OJ990501_22.9C10.C32
Gene No.	17666	Strand	-
Start	9487	End	9941
Name	OJ990501_22.9C10.C32.o1.gp	Method	AAT/GAP
Start	9487	End	9941
GI	none	Score	877
Exons	9487..9941		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	9999
GI	3482940	Score	614
Exons	1..21, 1254..1499, 1688..2100, 2617..2953, 4154..4380, 9975..9999		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o1.gs	Method	GENSCAN
Start	966	End	7503
GI	none	Score	.8
Exons	966..1499, 1688..2100, 2617..2929, 4160..4731, 4767..4830, 6867..7027, 7227..7503		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o1.ts	Method	TBLASTX:Soybean
Start	1751	End	2086
GI	none	Score	139
Exons	1751..1900, 1895..2086		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2089
GI	none	Score	77
Exons	1757..1900, 1776..1886, 1895..2089		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o1.tc	Method	TBLASTX:Cress
Start	1979	End	4369
GI	none	Score	39
Exons	1979..2077, 2612..2722, 2618..2797, 2831..2929, 2844..2921, 4241..4369		

Seq. No.	8287	Seq. ID	OJ990501_22.9C10.C33
Gene No.	17667	Strand	-
Start	1	End	9999
Name	OJ990501_22.9C10.C33.o2.tm	Method	TBLASTX:Maize
Start	2618	End	2938
GI	none	Score	74
Exons	2618..2797, 2825..2938		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6466937	Score	673
Exons	1..718		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o1.tm	Method	TBLASTX:Maize
Start	45	End	439
GI	none	Score	192
Exons	45..308, 47..439, 48..296		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o1.gs	Method	GENSCAN
Start	86	End	658
GI	none	Score	.9
Exons	86..658		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o1.tw	Method	TBLASTX:Wheat
Start	119	End	517
GI	none	Score	249
Exons	119..253, 239..517		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o1.ts	Method	TBLASTX:Soybean
Start	221	End	589
GI	none	Score	336
Exons	221..589		

Seq. No.	8288	Seq. ID	OJ990501_22.9C10.C35
Gene No.	17668	Strand	-
Start	1	End	718
Name	OJ990501_22.9C10.C35.o2.tm	Method	TBLASTX:Maize
Start	449	End	713
GI	none	Score	112

Exons	449..703, 537..713		
Seq. No.	8289	Seq. ID	OJ990421_24.9C10.C2
Gene No.	17669	Strand	-
Start	1	End	466
Name	OJ990421_24.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	382
GI	5042454	Score	297
Exons	1..200, 256..382		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	8289	Seq. ID	OJ990421_24.9C10.C2
Gene No.	17669	Strand	-
Start	1	End	466
Name	OJ990421_24.9C10.C2.o1.gs	Method	GENSCAN
Start	12	End	466
GI	none	Score	.76
Exons	12..200, 256..466		
Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17670	Strand	+
Start	295	End	4361
Name	OJ990421_24.9C10.C3.o1.gs	Method	GENSCAN
Start	295	End	4361
GI	none	Score	.52
Exons	295..461, 601..725, 780..1013, 1099..1228, 1597..1603, 1692..1870, 2156..2686, 2909..3022, 3778..4361		
Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17671	Strand	+
Start	7364	End	14746
Name	OJ990421_24.9C10.C3.o1.np	Method	AAT/NAP
Start	7364	End	14472
GI	4646231	Score	1341
Exons	7364..7631, 11631..12273, 12304..12976, 13078..13390, 13621..14027, 14116..14472		
GI Descrip.	(AC007266) putative ligand-gated ion channel protein [Arabidopsis thaliana]		
Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17671	Strand	+
Start	7364	End	14746
Name	OJ990421_24.9C10.C3.o3.gs	Method	GENSCAN
Start	11043	End	14487
GI	none	Score	.88
Exons	11043..11120, 11264..11333, 11631..12976, 13078..13390, 13621..14027, 14116..14487		
Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17671	Strand	+
Start	7364	End	14746
Name	OJ990421_24.9C10.C3.o1.gp	Method	AAT/GAP
Start	12636	End	13215
GI	27747_1.R1084	Score	938
Exons	12636..12976, 13078..13215		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17671	Strand	+
Start	7364	End	14746
Name	OJ990421_24.9C10.C3.o2.gp	Method	AAT/GAP
Start	14240	End	14746
GI	LIB3433-006-Q6-K6-A3	Score	946
Exons	14240..14746		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17672	Strand	+
Start	15980	End	16195
Name	OJ990421_24.9C10.C3.o4.gs	Method	GENSCAN
Start	15980	End	16195
GI	none	Score	.81
Exons	15980..16195		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	1703	End	2304
GI	none	Score	184
Exons	1703..1894, 1704..1895, 1705..1902, 1910..2017, 1912..2013, 1999..2304, 1999..2208, 2010..2303		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	2083	End	2475
GI	none	Score	220
Exons	2083..2298, 2178..2303, 2311..2475, 2314..2475		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	2155	End	2562
GI	none	Score	440
Exons	2155..2562, 2155..2262, 2163..2558, 2305..2562		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	2304	End	2484
GI	none	Score	220
Exons	2304..2432, 2305..2484, 2305..2478, 2318..2482		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288

Name	OJ990421_24.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	2488	End	3009
GI	none	Score	414
Exons	2488..2805, 2488..2796, 2715..2810, 2910..2957, 2914..3009		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	3142	End	3404
GI	none	Score	116
Exons	3142..3381, 3147..3404, 3230..3391		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	4061	End	4355
GI	none	Score	100
Exons	4061..4135, 4068..4145, 4137..4349, 4159..4308, 4161..4355		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	7478	End	14214
GI	none	Score	90
Exons	7478..7630, 11981..12136, 12185..12256, 12473..12622, 13050..13094, 13072..13188, 13083..13172, 13206..13346, 13210..13404, 13908..14030, 14107..14214		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	11666	End	12193
GI	none	Score	182
Exons	11666..11932, 11789..11896, 12008..12193, 12068..12160		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	13107	End	13814
GI	none	Score	195
Exons	13107..13178, 13108..13332, 13203..13298, 13348..13389, 13625..13801, 13665..13814, 13691..13792		

Seq. No.	8290	Seq. ID	OJ990421_24.9C10.C3
Gene No.	17673	Strand	-
Start	17090	End	17288
Name	OJ990421_24.9C10.C3.o5.gs	Method	GENSCAN
Start	17090	End	17288
GI	none	Score	.78
Exons	17090..17288		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4

Gene No.	17674	Strand	+
Start	201	End	9579
Name	OJ990421_24.9C10.C4.o1.gs	Method	GENSCAN
Start	201	End	3281
GI	none	Score	.91
Exons	201..354, 435..500, 1291..1544, 1625..1940, 2046..2458, 2790..3281		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17674	Strand	+
Start	201	End	9579
Name	OJ990421_24.9C10.C4.o1.np	Method	AAT/NAP
Start	1349	End	4123
GI	3482940	Score	637
Exons	1349..1574, 1625..1940, 2046..2458, 2790..3069, 4067..4123		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17674	Strand	+
Start	201	End	9579
Name	OJ990421_24.9C10.C4.o2.np	Method	AAT/NAP
Start	3158	End	9579
GI	6498441	Score	101
Exons	3158..3180, 6115..6320, 6451..6513, 9553..9579		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17675	Strand	+
Start	10932	End	11355
Name	OJ990421_24.9C10.C4.o3.np	Method	AAT/NAP
Start	10932	End	11355
GI	2244915	Score	82
Exons	10932..11355		
GI Descrip.	(Z97339) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17676	Strand	-
Start	5434	End	9503
Name	OJ990421_24.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	1431	End	1909
GI	none	Score	83
Exons	1431..1514, 1628..1714, 1630..1737, 1760..1909		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17676	Strand	-
Start	5434	End	9503
Name	OJ990421_24.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	1628	End	1939
GI	none	Score	118
Exons	1628..1729, 1630..1737, 1745..1939, 1759..1899		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17676	Strand	-

Start	5434	End	9503
Name	OJ990421_24.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	1631	End	1939
GI	none	Score	74
Exons	1631..1750, 1760..1939		

Seq. No.	8291	Seq. ID	OJ990421_24.9C10.C4
Gene No.	17676	Strand	-
Start	5434	End	9503
Name	OJ990421_24.9C10.C4.o2.gs	Method	GENSCAN
Start	5434	End	9503
GI	none	Score	.45
Exons	5434..5531, 6134..6232, 6632..6719, 7263..7352, 7393..7537, 7617..7725, 7750..8066, 9421..9503		

Seq. No.	8292	Seq. ID	OJ990421_24.9C10.C5
Gene No.	17677	Strand	+
Start	747	End	4020
Name	OJ990421_24.9C10.C5.o1.gs	Method	GENSCAN
Start	747	End	4020
GI	none	Score	.69
Exons	747..1104, 1564..1628, 3728..3890, 3953..4020		

Seq. No.	8292	Seq. ID	OJ990421_24.9C10.C5
Gene No.	17678	Strand	-
Start	4482	End	6318
Name	OJ990421_24.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	411
GI	none	Score	175
Exons	2..238, 3..245, 223..411, 292..363		

Seq. No.	8292	Seq. ID	OJ990421_24.9C10.C5
Gene No.	17678	Strand	-
Start	4482	End	6318
Name	OJ990421_24.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	2	End	241
GI	none	Score	100
Exons	2..112, 3..113, 113..241, 114..236		

Seq. No.	8292	Seq. ID	OJ990421_24.9C10.C5
Gene No.	17678	Strand	-
Start	4482	End	6318
Name	OJ990421_24.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	474	End	742
GI	none	Score	80
Exons	474..560, 566..742, 571..681		

Seq. No.	8292	Seq. ID	OJ990421_24.9C10.C5
Gene No.	17678	Strand	-
Start	4482	End	6318
Name	OJ990421_24.9C10.C5.o2.gs	Method	GENSCAN
Start	4482	End	6318
GI	none	Score	.62
Exons	4482..4639, 5481..5555, 6277..6318		

Seq. No.	8293	Seq. ID	OJ990421_24.9C10.C6
Gene No.	17679	Strand	+

Start	1	End	2316
Name	OJ990421_24.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	2167
GI	3482940	Score	644
Exons	1..31, 640..857, 910..1237, 1347..1759, 1888..2167		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8293	Seq. ID	OJ990421_24.9C10.C6
Gene No.	17679	Strand	+
Start	1	End	2316
Name	OJ990421_24.9C10.C6.o1.gs	Method	GENSCAN
Start	586	End	2316
GI	none	Score	.78
Exons	586..839, 922..1059, 1421..1759, 1888..2316		

Seq. No.	8293	Seq. ID	OJ990421_24.9C10.C6
Gene No.	17680	Strand	-
Start	2951	End	3773
Name	OJ990421_24.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	869	End	1236
GI	none	Score	63
Exons	869..1015, 921..1034, 928..1032, 1036..1236		

Seq. No.	8293	Seq. ID	OJ990421_24.9C10.C6
Gene No.	17680	Strand	-
Start	2951	End	3773
Name	OJ990421_24.9C10.C6.o2.gs	Method	GENSCAN
Start	2951	End	3773
GI	none	Score	.84
Exons	2951..3022, 3657..3773		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17681	Strand	+
Start	11606	End	14296
Name	OJ990421_24.9C10.C7.o2.np	Method	AAT/NAP
Start	11568	End	14296
GI	3482941	Score	482
Exons	11568..11692, 11750..12090, 12204..12616, 12716..12996, 14274..14296		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17681	Strand	+
Start	11606	End	14296
Name	OJ990421_24.9C10.C7.o3.gs	Method	GENSCAN
Start	11606	End	13139
GI	none	Score	.46
Exons	11606..11911, 12204..12241, 12247..12616, 12716..12794, 12955..13139		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17682	Strand	+
Start	15653	End	18030
Name	OJ990421_24.9C10.C7.o1.gp	Method	AAT/GAP
Start	14317	End	14506

GI	3061021	Score	282
Exons	14317..14506		
GI Descrip.	2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17682	Strand	+
Start	15653	End	18030
Name	OJ990421_24.9C10.C7.o4.gs	Method	GENSCAN
Start	15653	End	18030
GI	none	Score	.63
Exons	15653..15808, 16791..16938, 17002..17118, 17245..17387, 17469..17736, 17903..18030		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17683	Strand	+
Start	18358	End	20892
Name	OJ990421_24.9C10.C7.o3.np	Method	AAT/NAP
Start	18358	End	20892
GI	4680186	Score	188
Exons	18358..18398, 19736..19903, 20479..20892		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17684	Strand	+
Start	21587	End	23260
Name	OJ990421_24.9C10.C7.o4.np	Method	AAT/NAP
Start	21587	End	23260
GI	6907086	Score	413
Exons	21587..22376, 22423..22578, 22729..23110, 23165..23260		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17685	Strand	-
Start	3278	End	12493
Name	OJ990421_24.9C10.C7.o2.gs	Method	GENSCAN
Start	3278	End	11196
GI	none	Score	.89
Exons	3278..3468, 3865..3983, 4840..4907, 6591..6693, 7112..10436, 10512..11196		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17685	Strand	-
Start	3278	End	12493
Name	OJ990421_24.9C10.C7.o1.np	Method	AAT/NAP
Start	7689	End	12493
GI	6466937	Score	1770
Exons	7689..10950, 12470..12493		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17686	Strand	-
Start	18507	End	20874
Name	OJ990421_24.9C10.C7.o5.gs	Method	GENSCAN

Start	18507	End	20874
GI	none	Score	.9
Exons	18507..18704, 19129..19172, 19288..19360, 19406..19477, 20776..20874		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17687	Strand	-
Start	21742	End	22770
Name	OJ990421_24.9C10.C7.o6.gs	Method	GENSCAN
Start	21742	End	22770
GI	none	Score	.79
Exons	21742..22370, 22475..22576, 22698..22770		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17688	Strand	-
Start	24218	End	30867
Name	OJ990421_24.9C10.C7.o7.gs	Method	GENSCAN
Start	24218	End	30783
GI	none	Score	.72
Exons	24218..24288, 24977..25154, 25970..26215, 27000..27143, 29509..29669, 29703..30783		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17688	Strand	-
Start	24218	End	30867
Name	OJ990421_24.9C10.C7.o5.np	Method	AAT/NAP
Start	24565	End	26223
GI	6539588	Score	151
Exons	24565..24623, 25928..26223		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17688	Strand	-
Start	24218	End	30867
Name	OJ990421_24.9C10.C7.o2.gp	Method	AAT/GAP
Start	30458	End	30867
GI	LIB3432-009-P1-K1-H11	Score	784
Exons	30458..30867		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	7144	End	7500
GI	none	Score	116
Exons	7144..7500, 7151..7438		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o3.tw	Method	TBLASTX:Wheat
Start	7402	End	7680
GI	none	Score	194

Exons	7402..7680		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	7690	End	8008
GI	none	Score	64
Exons	7690..7971, 7694..7798, 7823..8008		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o2.ts	Method	TBLASTX:Soybean
Start	7741	End	8125
GI	none	Score	118
Exons	7741..7974, 7742..8125, 7953..8003, 8023..8124		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o6.tm	Method	TBLASTX:Maize
Start	8021	End	8509
GI	none	Score	52
Exons	8021..8101, 8023..8100, 8107..8451, 8123..8509		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o4.tw	Method	TBLASTX:Wheat
Start	8383	End	8700
GI	none	Score	189
Exons	8383..8700		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o4.ts	Method	TBLASTX:Soybean
Start	8554	End	8799
GI	none	Score	81
Exons	8554..8799, 8651..8773		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	8611	End	9030
GI	none	Score	236
Exons	8611..9030, 8639..8887		
Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o2.tw	Method	TBLASTX:Wheat
Start	8710	End	9108
GI	none	Score	249
Exons	8710..8844, 8830..9108		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	8812	End	9180
GI	none	Score	336
Exons	8812..9180		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	9103	End	9576
GI	none	Score	205
Exons	9103..9576, 9104..9502		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	9157	End	9639
GI	none	Score	121
Exons	9157..9639, 9184..9474, 9200..9535		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o3.ts	Method	TBLASTX:Soybean
Start	9289	End	9603
GI	none	Score	220
Exons	9289..9603		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o7.tm	Method	TBLASTX:Maize
Start	10726	End	10959
GI	none	Score	121
Exons	10726..10959, 10727..10954		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	11773	End	12089
GI	none	Score	110
Exons	11773..11886, 11780..11884, 11931..12089		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o5.tm	Method	TBLASTX:Maize
Start	29910	End	30180
GI	none	Score	204
Exons	29910..30074, 29911..30156, 29923..30156, 30145..30180		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o8.gs	Method	GENSCAN
Start	31490	End	35177
GI	none	Score	.5
Exons	31490..31622, 32042..32161, 32467..32579, 32820..33207, 33463..33603, 34524..34662, 34994..35177		

Seq. No.	8294	Seq. ID	OJ990421_24.9C10.C7
Gene No.	17689	Strand	-
Start	31490	End	35177
Name	OJ990421_24.9C10.C7.o6.np	Method	AAT/NAP
Start	32463	End	34399
GI	6721512	Score	100
Exons	32463..32581, 32610..32743, 34346..34399		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17690	Strand	+
Start	4918	End	5880
Name	OJ990421_24.9C10.C8.o3.gs	Method	GENSCAN
Start	4918	End	5616
GI	none	Score	.66
Exons	4918..4985, 5022..5214, 5281..5616		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17690	Strand	+
Start	4918	End	5880
Name	OJ990421_24.9C10.C8.o2.np	Method	AAT/NAP
Start	4936	End	5880
GI	3522946	Score	382
Exons	4936..5601, 5820..5880		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17691	Strand	-
Start	2	End	4427
Name	OJ990421_24.9C10.C8.o1.gs	Method	GENSCAN
Start	2	End	2491
GI	none	Score	.79
Exons	2..55, 1151..1466, 1548..1721, 2097..2491		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17691	Strand	-
Start	2	End	4427
Name	OJ990421_24.9C10.C8.o1.np	Method	AAT/NAP
Start	2038	End	4427
GI	4539658	Score	204
Exons	2038..2173, 2444..2537, 2578..2660, 4390..4427		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17691	Strand	-
Start	2	End	4427
Name	OJ990421_24.9C10.C8.o1.tm	Method	TBLASTX:Maize

Start	3427	End	3899
GI	none	Score	132
Exons	3427..3564, 3434..3562, 3435..3569, 3435..3563, 3558..3608, 3565..3612, 3565..3618, 3713..3832, 3722..3781, 3738..3788, 3852..3899, 3853..3894		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17692	Strand	
Start	5063	End	5604
Name	OJ990421_24.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	5063	End	5604
GI	none	Score	56
Exons	5063..5125, 5137..5352, 5349..5450, 5353..5460, 5533..5604, 5538..5597		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17692	Strand	
Start	5063	End	5604
Name	OJ990421_24.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	5140	End	5598
GI	none	Score	71
Exons	5140..5214, 5202..5450, 5203..5460, 5533..5598, 5538..5588		

Seq. No.	8295	Seq. ID	OJ990421_24.9C10.C8
Gene No.	17692	Strand	
Start	5063	End	5604
Name	OJ990421_24.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	5340	End	5589
GI	none	Score	147
Exons	5340..5450, 5341..5460, 5413..5487, 5535..5588, 5536..5589		

Seq. No.	8296	Seq. ID	OJ990421_24.9C10.C9
Gene No.	17693	Strand	-
Start	143	End	508
Name	OJ990421_24.9C10.C9.o1.gs	Method	GENSCAN
Start	143	End	508
GI	none	Score	.96
Exons	143..508		

Seq. No.	8297	Seq. ID	OJ990421_24.9C10.C10
Gene No.	17694	Strand	+
Start	1381	End	3583
Name	OJ990421_24.9C10.C10.o1.gs	Method	GENSCAN
Start	1381	End	3583
GI	none	Score	.62
Exons	1381..1407, 2343..2439, 3159..3583		

Seq. No.	8298	Seq. ID	OJ990421_24.9C10.C11
Gene No.	17695	Strand	+
Start	23	End	2567
Name	OJ990421_24.9C10.C11.o1.gs	Method	GENSCAN
Start	23	End	2538
GI	none	Score	.88
Exons	23..51, 1445..1655, 1711..2538		

Seq. No.	8298	Seq. ID	OJ990421_24.9C10.C11
Gene No.	17695	Strand	+

Start	23	End	2567
Name	OJ990421_24.9C10.C11.o1.np	Method	AAT/NAP
Start	1085	End	2567
GI	5042454	Score	1529
Exons	1085..1235, 1549..1655, 1711..2567		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17696	Strand	+
Start	1	End	5182
Name	OJ990421_24.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	5179
GI	6498441	Score	6165
Exons	1..596, 927..1390, 1454..1827, 2011..2145, 2320..2581, 2774..3235, 3407..4804, 4898..5179		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17696	Strand	+
Start	1	End	5182
Name	OJ990421_24.9C10.C12.o1.gs	Method	GENSCAN
Start	44	End	1453
GI	none	Score	.77
Exons	44..1453		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17696	Strand	+
Start	1	End	5182
Name	OJ990421_24.9C10.C12.o2.gs	Method	GENSCAN
Start	1517	End	5182
GI	none	Score	1
Exons	1517..5182		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17697	Strand	-
Start	5799	End	9107
Name	OJ990421_24.9C10.C12.o3.gs	Method	GENSCAN
Start	5799	End	9107
GI	none	Score	.52
Exons	5799..9107		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17697	Strand	-
Start	5799	End	9107
Name	OJ990421_24.9C10.C12.o2.np	Method	AAT/NAP
Start	5802	End	9107
GI	6907089	Score	4254
Exons	5802..7746, 7846..9107		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o5.tw	Method	TBLASTX:Wheat
Start	81	End	3541

GI	none	Score	234
Exons	81..134, 3080..3331, 3107..3331, 3172..3345, 3392..3541, 3401..3538, 3403..3540		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	811	End	8975
GI	none	Score	414
Exons	811..984, 812..1294, 1006..1266, 8871..8975		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	1461	End	1924
GI	none	Score	202
Exons	1461..1904, 1462..1923, 1463..1924		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o3.ts	Method	TBLASTX:Soybean
Start	1502	End	1867
GI	none	Score	117
Exons	1502..1726, 1733..1867		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	1592	End	1948
GI	none	Score	392
Exons	1592..1948, 1627..1938, 1643..1948		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	1975	End	2359
GI	none	Score	360
Exons	1975..2340, 1976..2359		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	2032	End	2457
GI	none	Score	487
Exons	2032..2457, 2033..2452		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	2111	End	2482

GI	none	Score	279
Exons	2111..2482, 2128..2271		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	3230	End	3796
GI	5666795	Score	68
Exons	3230..3328, 3404..3541, 3596..3796		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o7.tw	Method	TBLASTX:Wheat
Start	3544	End	3856
GI	none	Score	192
Exons	3544..3720, 3596..3856		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	4049	End	4372
GI	none	Score	362
Exons	4049..4372, 4078..4359		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o4.tw	Method	TBLASTX:Wheat
Start	4186	End	4567
GI	none	Score	375
Exons	4186..4242, 4187..4567, 4288..4536		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o6.tw	Method	TBLASTX:Wheat
Start	4568	End	5170
GI	none	Score	265
Exons	4568..4852, 4573..4851, 5044..5166, 5045..5170		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	5039	End	5220
GI	none	Score	192
Exons	5039..5206, 5044..5220		

Seq. No.	8299	Seq. ID	OJ990421_24.9C10.C12
Gene No.	17698	Strand	-
Start	9949	End	10027
Name	OJ990421_24.9C10.C12.o3.np	Method	AAT/NAP
Start	9949	End	10027

GI	5922623	Score	94
Exons	9949..10027		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17699	Strand	+
Start	1	End	4344
Name	OJ990421_24.9C10.C13.o2.np	Method	AAT/NAP
Start	1	End	4344
GI	4646232	Score	487
Exons	1..47, 1283..1605, 2122..2534, 2725..2932, 4268..4344		
GI Descrip.	(AC007266) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17699	Strand	+
Start	1	End	4344
Name	OJ990421_24.9C10.C13.o1.gs	Method	GENSCAN
Start	80	End	3258
GI	none	Score	.71
Exons	80..273, 1293..1605, 2122..2534, 2725..3258		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17700	Strand	+
Start	5969	End	6423
Name	OJ990421_24.9C10.C13.o1.gp	Method	AAT/GAP
Start	5969	End	6423
GI	none	Score	877
Exons	5969..6423		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17701	Strand	-
Start	1	End	598
Name	OJ990421_24.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	598
GI	5922623	Score	179
Exons	1..160, 518..598		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17702	Strand	-
Start	4611	End	8882
Name	OJ990421_24.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	1284	End	1604
GI	none	Score	74
Exons	1284..1397, 1425..1604		

Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17702	Strand	-
Start	4611	End	8882
Name	OJ990421_24.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	1293	End	2243
GI	none	Score	103

Exons	1293..1391, 1425..1604, 2145..2243		
Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17702	Strand	-
Start	4611	End	8882
Name	OJ990421_24.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	2133	End	2465
GI	none	Score	162
Exons	2133..2327, 2322..2465, 2336..2446		
Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17702	Strand	-
Start	4611	End	8882
Name	OJ990421_24.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	2136	End	2471
GI	none	Score	139
Exons	2136..2327, 2322..2471		
Seq. No.	8300	Seq. ID	OJ990421_24.9C10.C13
Gene No.	17702	Strand	-
Start	4611	End	8882
Name	OJ990421_24.9C10.C13.o2.gs	Method	GENSCAN
Start	4611	End	8882
GI	none	Score	.71
Exons	4611..4749, 5011..5275, 5596..5877, 7217..7395, 8744..8882		
Seq. No.	8301	Seq. ID	OJ990421_24.9C10.C14
Gene No.	17703	Strand	+
Start	287	End	1474
Name	OJ990421_24.9C10.C14.o1.gp	Method	AAT/GAP
Start	287	End	535
GI	LIB3432-009-P1-K1-H11	Score	391
Exons	287..535		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		
Seq. No.	8301	Seq. ID	OJ990421_24.9C10.C14
Gene No.	17703	Strand	+
Start	287	End	1474
Name	OJ990421_24.9C10.C14.o1.gs	Method	GENSCAN
Start	371	End	1474
GI	none	Score	.94
Exons	371..1474		
Seq. No.	8301	Seq. ID	OJ990421_24.9C10.C14
Gene No.	17703	Strand	+
Start	287	End	1474
Name	OJ990421_24.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	881	End	1149
GI	none	Score	59
Exons	881..925, 887..925, 904..1149, 947..1141		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17704	Strand	+
Start	3259	End	4202

Name	OJ990721_13.9C10.C2.o3.np	Method	AAT/NAP
Start	3259	End	4202
GI	6006733	Score	67
Exons	3259..3333, 3975..4202		
GI Descrip.	(AF140034) histone H4 [Phreatamoeba balamuthi]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o8.np	Method	AAT/NAP
Start	5743	End	41217
GI	6539570	Score	35
Exons	5743..5793, 26347..26512, 41187..41217		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o4.np	Method	AAT/NAP
Start	5873	End	7178
GI	6815099	Score	77
Exons	5873..5938, 7067..7178		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o5.np	Method	AAT/NAP
Start	7451	End	7590
GI	6688685	Score	41
Exons	7451..7590		
GI Descrip.	(AJ132139) 2-hydroxyphytanoyl-CoA lyase [Mus musculus]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o1.gp	Method	AAT/GAP
Start	11235	End	11509
GI	220_15.R1084	Score	550
Exons	11235..11509		
GI Descrip.	'398845/emb|CAA52718| 2.0e-24 (X74654) beta3 tubulin [Zea mays]'		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o2.gs	Method	GENSCAN
Start	11344	End	14865
GI	none	Score	.79
Exons	11344..11737, 13827..14096, 14189..14865		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o7.np	Method	AAT/NAP
Start	11344	End	14859
GI	398845	Score	2179
Exons	11344..11737, 13827..14096, 14189..14859		

GI Descrip.	(X74654) beta3 tubulin [Zea mays]		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o2.gp	Method	AAT/GAP
Start	11519	End	11722
GI	568536	Score	302
Exons	11519..11722		
GI Descrip.	629838/pir||S43326 2.0e-09 tubulin beta-4 chain - maize >gi_416145 (L10635) beta-4 tubulin [Zea mays]		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o3.gp	Method	AAT/GAP
Start	14780	End	15116
GI	5005357	Score	506
Exons	14780..15116		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o4.gs	Method	GENSCAN
Start	28667	End	29950
GI	none	Score	1
Exons	28667..29950		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17705	Strand	+
Start	5743	End	41217
Name	OJ990721_13.9C10.C2.o4.gp	Method	AAT/GAP
Start	30094	End	30291
GI	2227_1.R1084	Score	275
Exons	30094..30291		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17706	Strand	-
Start	704	End	3347
Name	OJ990721_13.9C10.C2.o1.np	Method	AAT/NAP
Start	704	End	3347
GI	6539570	Score	254
Exons	704..735, 856..958, 990..1080, 1291..1569, 2930..2996, 3155..3347		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17707	Strand	-
Start	3457	End	3539
Name	OJ990721_13.9C10.C2.o2.np	Method	AAT/NAP
Start	3457	End	3539
GI	6630699	Score	70
Exons	3457..3539		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein		

[Oryza sativa]

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17708	Strand	-
Start	5605	End	9219
Name	OJ990721_13.9C10.C2.o6.np	Method	AAT/NAP
Start	5605	End	9219
GI	6522929	Score	157
Exons	5605..5631, 7613..8033, 9169..9219		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17709	Strand	-
Start	30512	End	33498
Name	OJ990721_13.9C10.C2.o5.gs	Method	GENSCAN
Start	30512	End	33498
GI	none	Score	.43
Exons	30512..30537, 30905..31013, 31858..31975, 32627..32695, 33114..33246, 33426..33498		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17710	Strand	-
Start	40987	End	41734
Name	OJ990721_13.9C10.C2.o5.gp	Method	AAT/GAP
Start	40679	End	41734
GI	1031_1.R1084	Score	1997
Exons	40679..41734		
GI Descrip.	'4760545/dbj|BAA77333.1| 4.0e-16 (AB019492) IDN4-GGTR14 [Homo sapiens]'		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17710	Strand	-
Start	40987	End	41734
Name	OJ990721_13.9C10.C2.o7.gs	Method	GENSCAN
Start	40987	End	41685
GI	none	Score	1
Exons	40987..41685		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17710	Strand	-
Start	40987	End	41734
Name	OJ990721_13.9C10.C2.o9.np	Method	AAT/NAP
Start	40990	End	41706
GI	2062389	Score	1268
Exons	40990..41706		
GI Descrip.	(U77657) pathogenesis-related thaumatin-like protein [Oryza sativa]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o8.ts	Method	TBLASTX:Soybean
Start	7458	End	7608
GI	none	Score	189
Exons	7458..7607, 7459..7608		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2

Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o10.tm	Method	TBLASTX:Maize
Start	7615	End	7776
GI	none	Score	119
Exons	7615..7776, 7655..7774		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o7.ts	Method	TBLASTX:Soybean
Start	7615	End	8022
GI	none	Score	100
Exons	7615..7803, 7882..8022		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	7777	End	8022
GI	none	Score	174
Exons	7777..8022, 7816..8016		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	11278	End	14801
GI	none	Score	247
Exons	11278..11478, 11293..11451, 11298..11477, 11452..11739, 11472..11738, 13826..14113, 13829..14143, 14190..14801, 14191..14787		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	11337	End	14801
GI	none	Score	76
Exons	11337..11444, 11337..11738, 11338..11739, 13825..13845, 13826..14113, 13888..14091, 14190..14801, 14191..14787		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	11340	End	14064
GI	none	Score	95
Exons	11340..11441, 11340..11738, 11341..11739, 13825..13845, 13826..14062, 13826..14062, 13888..14064		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	11340	End	11619
GI	none	Score	129

Exons	11340..11441, 11340..11615, 11341..11619		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	11620	End	14801
GI	none	Score	168
Exons	11620..11739, 11634..11738, 13825..13845, 13826..14113, 13829..14086, 13888..14091, 14190..14801, 14191..14787		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	14214	End	14492
GI	none	Score	474
Exons	14214..14492, 14215..14490, 14415..14492		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	14595	End	14801
GI	none	Score	316
Exons	14595..14801, 14596..14787		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	40972	End	41626
GI	none	Score	36
Exons	40972..41016, 41026..41157, 41061..41105, 41137..41238, 41138..41230, 41269..41568, 41288..41569, 41548..41622, 41549..41626		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	40984	End	41623
GI	none	Score	73
Exons	40984..41127, 40991..41122, 41128..41247, 41138..41230, 41266..41622, 41285..41623		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	40987	End	41620
GI	none	Score	184
Exons	40987..41247, 40988..41212, 41272..41619, 41285..41620		
Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716

Name	OJ990721_13.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	41323	End	50074
GI	none	Score	369
Exons	41323..41613, 41324..41614, 50000..50074		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o8.gs	Method	GENSCAN
Start	44355	End	49886
GI	none	Score	.44
Exons	44355..44620, 46029..46122, 46764..46851, 47113..47463, 47758..47902, 47974..48094, 48228..48358, 48438..48735, 48892..49126, 49149..49886		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o10.np	Method	AAT/NAP
Start	47113	End	50716
GI	3600044	Score	1675
Exons	47113..48651, 49052..50394, 50607..50716		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	47116	End	47322
GI	none	Score	122
Exons	47116..47322, 47142..47318		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	47181	End	47511
GI	none	Score	170
Exons	47181..47510, 47182..47511		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	47184	End	47774
GI	none	Score	134
Exons	47184..47513, 47185..47511, 47516..47596, 47517..47588, 47688..47774		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	47514	End	47901
GI	none	Score	42
Exons	47514..47582, 47516..47608, 47634..47681, 47635..47679,		

47682..47894, 47682..47900, 47683..47901

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	47564	End	47900
GI	none	Score	47
Exons	47564..47626, 47565..47597, 47643..47681, 47682..47807, 47683..47796, 47805..47900		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	47903	End	48321
GI	none	Score	80
Exons	47903..48049, 47903..48106, 48066..48320, 48088..48321		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	47942	End	48477
GI	none	Score	94
Exons	47942..48076, 48135..48320, 48346..48477		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o5.ts	Method	TBLASTX:Soybean
Start	48150	End	48642
GI	5509260	Score	105
Exons	48150..48320, 48166..48321, 48361..48642		
GI Descrip.	-		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o9.tm	Method	TBLASTX:Maize
Start	48361	End	48598
GI	none	Score	110
Exons	48361..48597, 48370..48594, 48374..48598		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	49169	End	49585
GI	none	Score	307
Exons	49169..49585		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	49175	End	49519

GI	none	Score	108
Exons	49175..49519, 49233..49394		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o6.ts	Method	TBLASTX:Soybean
Start	49184	End	49645
GI	none	Score	255
Exons	49184..49645		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	49194	End	49655
GI	none	Score	186
Exons	49194..49385, 49194..49298, 49196..49573, 49548..49655, 49550..49651		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o11.tm	Method	TBLASTX:Maize
Start	49658	End	49939
GI	none	Score	53
Exons	49658..49777, 49661..49756, 49769..49930, 49769..49939		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o4.tc	Method	TBLASTX:Cress
Start	49745	End	50029
GI	none	Score	186
Exons	49745..49831, 49835..50029		

Seq. No.	8302	Seq. ID	OJ990721_13.9C10.C2
Gene No.	17711	Strand	-
Start	44355	End	50716
Name	OJ990721_13.9C10.C2.o8.tm	Method	TBLASTX:Maize
Start	49949	End	50264
GI	none	Score	108
Exons	49949..50080, 50069..50263, 50091..50264		

Seq. No.	8303	Seq. ID	OJ990721_13.9C10.C3
Gene No.	17712	Strand	+
Start	10724	End	11572
Name	OJ990721_13.9C10.C3.o2.gs	Method	GENSCAN
Start	10724	End	11572
GI	none	Score	.9
Exons	10724..11572		

Seq. No.	8303	Seq. ID	OJ990721_13.9C10.C3
Gene No.	17713	Strand	-
Start	30	End	8056
Name	OJ990721_13.9C10.C3.o1.gs	Method	GENSCAN
Start	30	End	8056

GI	none	Score	.75
Exons	30..980, 1258..1335, 1662..1779, 2441..2571, 2659..2928, 5303..5451, 6237..6575, 6589..6960, 6999..7234, 7591..7963, 7972..8056		

Seq. No.	8303	Seq. ID	OJ990721_13.9C10.C3
Gene No.	17713	Strand	-
Start	30	End	8056
Name	OJ990721_13.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	300	End	605
GI	none	Score	109
Exons	300..602, 303..605		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17714	Strand	+
Start	431	End	3217
Name	OJ990721_13.9C10.C6.o1.gs	Method	GENSCAN
Start	431	End	3217
GI	none	Score	.88
Exons	431..1050, 1325..1396, 2209..2366, 3204..3217		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17715	Strand	+
Start	7769	End	10590
Name	OJ990721_13.9C10.C6.o3.np	Method	AAT/NAP
Start	7769	End	10590
GI	132857	Score	71
Exons	7769..7805, 8929..9012, 10554..10590		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L2 gi|71089|pir||R5ZM2 ribosomal protein L2 - maize chloroplast gi|2673858|emb|CAA60329| (X86563) ribosomal protein L2 [Zea mays] gi|2673859|emb|CAA60371| (X86563) ribosomal protein L2 [Zea mays]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17715	Strand	+
Start	7769	End	10590
Name	OJ990721_13.9C10.C6.o2.np	Method	AAT/NAP
Start	8267	End	8371
GI	140310	Score	134
Exons	8267..8371		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER T PROTEIN gi|82528|pir||JQ0254 hypothetical 4K protein (psbH-petB intergenic region) - rice chloroplast gi|12014|emb|CAA33974| (X15901) ORF35 [Oryza sativa] gi|2143324|emb|CAA73766.1| (Y13328) PSII subunit [Populus deltoides] gi|226636|prf||1603356BK ORF 35 [Oryza sativa]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o4.np	Method	AAT/NAP
Start	6199	End	11201
GI	226691	Score	45
Exons	6199..6236, 9255..9305, 11148..11201		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6

Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o1.np	Method	AAT/NAP
Start	6357	End	8809
GI	128803	Score	206
Exons	6357..6434, 7602..7759, 8687..8809		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 6, CHLOROPLAST gi|66198|pir||DERZN6 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 6 - rice chloroplast gi|12053|emb|CAA33908| (X15901) NADH dehydrogenase ND6 [Oryza sativa] gi|226674|prf||1603356DB NADH dehydrogenase ND6 [Oryza sativa]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o2.gs	Method	GENSCAN
Start	6527	End	11198
GI	none	Score	.48
Exons	6527..6931, 8842..8923, 9209..9371, 9752..10009, 10213..10316, 11155..11198		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o2.gp	Method	AAT/GAP
Start	9155	End	9558
GI	5005311	Score	86
Exons	9155..9219, 9538..9558		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o5.np	Method	AAT/NAP
Start	10190	End	16692
GI	5823556	Score	657
Exons	10190..10221, 12187..13113, 16646..16692		
GI Descrip.	(AF181096) ferric leghemoglobin reductase [Vigna unguiculata]		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o3.gs	Method	GENSCAN
Start	12208	End	13017
GI	none	Score	.76
Exons	12208..12336, 12404..12547, 12724..12797, 12930..13017		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	12211	End	16705
GI	none	Score	94

Exons	12211..12384, 12254..12388, 12378..12404, 12405..12434, 12437..12517, 12437..12511, 12438..12518, 12511..12732, 12522..12731, 12526..12735, 12746..12805, 12748..12804, 12827..12922, 12831..12908, 12902..13012, 12937..13011, 12992..13054, 13050..13103, 13054..13095, 16652..16705		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	12211	End	16705
GI	none	Score	40
Exons	12211..12384, 12247..12369, 12254..12388, 12378..12404, 12405..12434, 12437..12511, 12437..12511, 12438..12518, 12511..12732, 12522..12731, 12746..12799, 12748..12804, 12786..12920, 12827..12922, 12902..13012, 12937..13011, 12992..13054, 12993..13049, 13050..13103, 13067..13111, 16652..16705		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	12211	End	16709
GI	none	Score	109
Exons	12211..12387, 12215..12388, 12227..12397, 12405..12434, 12406..12432, 12436..12495, 12437..12517, 12437..12514, 12438..12539, 12511..12732, 12522..12731, 12746..12805, 12748..12804, 12827..12922, 12831..12923, 12901..13011, 12902..13003, 12992..13060, 13008..13049, 13050..13103, 13051..13095, 16652..16705, 16653..16709		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	12301	End	12596
GI	none	Score	116
Exons	12301..12387, 12302..12388, 12315..12398, 12378..12407, 12405..12434, 12406..12432, 12436..12513, 12437..12514, 12438..12539, 12511..12594, 12519..12596, 12522..12596		

Seq. No.	8304	Seq. ID	OJ990721_13.9C10.C6
Gene No.	17716	Strand	-
Start	6527	End	16803
Name	OJ990721_13.9C10.C6.o4.gs	Method	GENSCAN
Start	13877	End	16803
GI	none	Score	.83
Exons	13877..13965, 16506..16803		

Seq. No.	8305	Seq. ID	OJ990721_13.9C10.C7
Gene No.	17717	Strand	+
Start	584	End	675
Name	OJ990721_13.9C10.C7.o1.gp	Method	AAT/GAP
Start	584	End	675
GI	5867_1.R1084	Score	133
Exons	584..675		

GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	8306	Seq. ID	OJ990331_07.9C10.C1
Gene No.	17718	Strand	+
Start	400	End	744
Name	OJ990331_07.9C10.C1.o1.gs	Method	GENSCAN
Start	400	End	744
GI	none	Score	1
Exons	400..463, 600..744		

Seq. No.	8307	Seq. ID	OJ990331_07.9C10.C2
Gene No.	17719	Strand	+
Start	1	End	359
Name	OJ990331_07.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	359
GI	4914452	Score	232
Exons	1..359		

GI Descrip. (AL050398) putative protein [Arabidopsis thaliana]

Seq. No.	8307	Seq. ID	OJ990331_07.9C10.C2
Gene No.	17719	Strand	+
Start	1	End	359
Name	OJ990331_07.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	68	End	292
GI	none	Score	230
Exons	68..292, 70..276		

Seq. No.	8307	Seq. ID	OJ990331_07.9C10.C2
Gene No.	17719	Strand	+
Start	1	End	359
Name	OJ990331_07.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	68	End	292
GI	none	Score	213
Exons	68..292, 73..276, 98..280		

Seq. No.	8307	Seq. ID	OJ990331_07.9C10.C2
Gene No.	17719	Strand	+
Start	1	End	359
Name	OJ990331_07.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	68	End	292
GI	none	Score	245
Exons	68..292, 70..279, 71..280		

Seq. No.	8308	Seq. ID	OJ990331_07.9C10.C3
Gene No.	17720	Strand	+
Start	81	End	299
Name	OJ990331_07.9C10.C3.o2.gp	Method	AAT/GAP
Start	81	End	299
GI	LIB3432-059-P1-K1-D8	Score	408
Exons	81..299		

GI Descrip. '5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic

DNA, chromosome 6, clone:P0538C01'

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17721	Strand	+
Start	1	End	3673
Name	OJ990331_07.9C10.C4.o2.np	Method	AAT/NAP
Start	1	End	3673
GI	1514643	Score	189
Exons	1..73, 2687..2717, 3402..3673		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17721	Strand	+
Start	1	End	3673
Name	OJ990331_07.9C10.C4.o1.gs	Method	GENSCAN
Start	497	End	1219
GI	none	Score	.94
Exons	497..625, 686..773, 932..1219		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17722	Strand	+
Start	5119	End	6153
Name	OJ990331_07.9C10.C4.o3.np	Method	AAT/NAP
Start	5119	End	6153
GI	6539571	Score	45
Exons	5119..5228, 6059..6153		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17723	Strand	-
Start	792	End	5978
Name	OJ990331_07.9C10.C4.o1.gp	Method	AAT/GAP
Start	792	End	941
GI	20494_1.R1084	Score	281
Exons	792..941		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17723	Strand	-
Start	792	End	5978
Name	OJ990331_07.9C10.C4.o1.np	Method	AAT/NAP
Start	832	End	2451
GI	6539588	Score	160
Exons	832..962, 2187..2451		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17723	Strand	-
Start	792	End	5978
Name	OJ990331_07.9C10.C4.o2.gs	Method	GENSCAN
Start	2168	End	5978
GI	none	Score	.51
Exons	2168..2372, 2980..3181, 3526..3660, 5882..5978		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17724	Strand	-

Start	6546	End	9059
Name	OJ990331_07.9C10.C4.o4.np	Method	AAT/NAP
Start	6546	End	9059
GI	5922623	Score	229
Exons	6546..6593, 8181..8256, 8424..8577, 8974..9059		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17724	Strand	-
Start	6546	End	9059
Name	OJ990331_07.9C10.C4.o3.gs	Method	GENSCAN
Start	7105	End	8934
GI	none	Score	.62
Exons	7105..7279, 8011..8151, 8181..8256, 8385..8934		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17725	Strand	-
Start	9820	End	20320
Name	OJ990331_07.9C10.C4.o4.gs	Method	GENSCAN
Start	9820	End	20320
GI	none	Score	.66
Exons	9820..11090, 13010..13135, 13225..13312, 13502..13729, 13860..13973, 14029..14046, 17152..17328, 17396..17580, 17792..17882, 17887..17937, 20270..20320		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17725	Strand	-
Start	9820	End	20320
Name	OJ990331_07.9C10.C4.o5.np	Method	AAT/NAP
Start	9820	End	12006
GI	2541876	Score	681
Exons	9820..11087, 11805..12006		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17725	Strand	-
Start	9820	End	20320
Name	OJ990331_07.9C10.C4.o2.gp	Method	AAT/GAP
Start	14900	End	14986
GI	uC-osf1M202097d10b1	Score	107
Exons	14900..14986		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	3355	End	3676
GI	none	Score	117
Exons	3355..3474, 3417..3473, 3485..3676		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-

Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	3415	End	3682
GI	none	Score	122
Exons	3415..3474, 3524..3682		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	9817	End	10224
GI	none	Score	142
Exons	9817..10086, 9818..10069, 9868..10086, 10075..10224, 10165..10224		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	9862	End	10197
GI	none	Score	49
Exons	9862..9960, 9878..9964, 9961..10197, 9985..10101, 10154..10186		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	9862	End	10902
GI	none	Score	55
Exons	9862..9948, 9881..9949, 9958..10227, 9959..10105, 10154..10186, 10345..10482, 10349..10465, 10486..10614, 10487..10615, 10768..10902		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	10696	End	11077
GI	none	Score	143
Exons	10696..10725, 10769..10921, 10771..10932, 10909..11043, 11030..11077, 11041..11064		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o5.gs	Method	GENSCAN
Start	21653	End	24637
GI	none	Score	.44
Exons	21653..21780, 21825..21942, 23040..23115, 24556..24637		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o3.gp	Method	AAT/GAP
Start	23028	End	23610
GI	20494_3.R1084	Score	1038
Exons	23028..23610		

GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	8309	Seq. ID	OJ990331_07.9C10.C4
Gene No.	17726	Strand	-
Start	21653	End	24637
Name	OJ990331_07.9C10.C4.o4.gp	Method	AAT/GAP
Start	23889	End	24637
GI	20494_1.R1084	Score	1367
Exons	23889..24637		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	8310	Seq. ID	OJ990331_07.9C10.C5
Gene No.	17727	Strand	-
Start	353	End	914
Name	OJ990331_07.9C10.C5.o1.gs	Method	GENSCAN
Start	353	End	914
GI	none	Score	.56
Exons	353..914		

Seq. No.	8311	Seq. ID	OJ990331_07.9C10.C6
Gene No.	17728	Strand	-
Start	1	End	595
Name	OJ990331_07.9C10.C6.o1.gp	Method	AAT/GAP
Start	1	End	595
GI	1962_2.R1084	Score	409
Exons	1..66, 430..595		
GI Descrip.	'4914452/emb|CAB43692.1| 4.0e-44 (AL050398) putative protein [Arabidopsis thaliana]'		

Seq. No.	8311	Seq. ID	OJ990331_07.9C10.C6
Gene No.	17728	Strand	-
Start	1	End	595
Name	OJ990331_07.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	595
GI	4914452	Score	182
Exons	1..66, 454..595		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		

Seq. No.	8311	Seq. ID	OJ990331_07.9C10.C6
Gene No.	17728	Strand	-
Start	1	End	595
Name	OJ990331_07.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	577
GI	none	Score	80
Exons	1..60, 2..61, 430..555, 431..577		

Seq. No.	8312	Seq. ID	OJ990331_07.9C10.C7
Gene No.	17729	Strand	+
Start	229	End	341
Name	OJ990331_07.9C10.C7.o1.gs	Method	GENSCAN
Start	229	End	341
GI	none	Score	.99
Exons	229..341		

Seq. No.	8313	Seq. ID	OJ990331_07.9C10.C11
Gene No.	17730	Strand	-
Start	1	End	65
Name	OJ990331_07.9C10.C11.o1.gp	Method	AAT/GAP
Start	1	End	65
GI	3768663	Score	103
Exons	1..65		

Seq. No.	8314	Seq. ID	OJ990331_07.9C10.C12
Gene No.	17731	Strand	+
Start	1	End	1415
Name	OJ990331_07.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	721
GI	5852084	Score	65
Exons	1..40, 628..721		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	8314	Seq. ID	OJ990331_07.9C10.C12
Gene No.	17731	Strand	+
Start	1	End	1415
Name	OJ990331_07.9C10.C12.o1.gs	Method	GENSCAN
Start	99	End	1415
GI	none	Score	.61
Exons	99..185, 1149..1415		

Seq. No.	8315	Seq. ID	OJ990331_07.9C10.C13
Gene No.	17732	Strand	-
Start	193	End	287
Name	OJ990331_07.9C10.C13.o1.gp	Method	AAT/GAP
Start	193	End	287
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	193..287		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8315	Seq. ID	OJ990331_07.9C10.C13
Gene No.	17733	Strand	-
Start	1014	End	3833
Name	OJ990331_07.9C10.C13.o1.gs	Method	GENSCAN
Start	1014	End	3833
GI	none	Score	.53
Exons	1014..3833		

Seq. No.	8316	Seq. ID	OJ990331_07.9C10.C14
Gene No.	17734	Strand	-
Start	10	End	1388
Name	OJ990331_07.9C10.C14.o1.gs	Method	GENSCAN
Start	10	End	1388
GI	none	Score	.7
Exons	10..1388		

Seq. No.	8316	Seq. ID	OJ990331_07.9C10.C14
Gene No.	17735	Strand	-
Start	1404	End	1465
Name	OJ990331_07.9C10.C14.o1.gp	Method	AAT/GAP
Start	1404	End	1465

GI	16490_1.R1084	Score	92
Exons	1404..1465		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17736	Strand	+
Start	3011	End	4313
Name	OJ990331_07.9C10.C15.o1.gp	Method	AAT/GAP
Start	3011	End	3475
GI	none	Score	632
Exons	3011..3330, 3451..3475		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17736	Strand	+
Start	3011	End	4313
Name	OJ990331_07.9C10.C15.o1.gs	Method	GENSCAN
Start	3181	End	4313
GI	none	Score	.77
Exons	3181..3330, 3451..3538, 3656..3738, 3861..4313		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17736	Strand	+
Start	3011	End	4313
Name	OJ990331_07.9C10.C15.o1.np	Method	AAT/NAP
Start	3244	End	4094
GI	1350548	Score	166
Exons	3244..3330, 3451..3538, 3656..3723, 3861..4094		
GI Descrip.	(L47609) heat shock-like protein [Picea glauca]		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17737	Strand	+
Start	5710	End	6174
Name	OJ990331_07.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	3256	End	3729
GI	none	Score	87
Exons	3256..3330, 3256..3330, 3431..3541, 3444..3542, 3450..3542, 3451..3579, 3634..3729, 3634..3669		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17737	Strand	+
Start	5710	End	6174
Name	OJ990331_07.9C10.C15.o2.gp	Method	AAT/GAP
Start	5650	End	5933
GI	568913	Score	549
Exons	5650..5933		

Seq. No.	8317	Seq. ID	OJ990331_07.9C10.C15
Gene No.	17737	Strand	+
Start	5710	End	6174
Name	OJ990331_07.9C10.C15.o2.gs	Method	GENSCAN
Start	5710	End	6174
GI	none	Score	.95
Exons	5710..6174		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+

Start	1	End	2410
Name	OJ990331_07.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	2410
GI	6815107	Score	1778
Exons	1..53, 133..1136, 1254..1454, 1667..1875, 1955..2148, 2228..2410		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	498	End	767
GI	none	Score	222
Exons	498..761, 510..767		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	507	End	869
GI	none	Score	221
Exons	507..869, 589..783		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	615	End	1181
GI	none	Score	393
Exons	615..1181, 654..818		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	768	End	1199
GI	none	Score	348
Exons	768..1199, 771..1082, 776..1171		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	789	End	1217
GI	none	Score	263
Exons	789..1217		

Seq. No.	8318	Seq. ID	OJ990331_07.9C10.C16
Gene No.	17738	Strand	+
Start	1	End	2410
Name	OJ990331_07.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	1481	End	1832
GI	none	Score	62
Exons	1481..1627, 1481..1636, 1488..1643, 1497..1679, 1673..1762, 1674..1832		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17739	Strand	+
Start	574	End	1623
Name	OJ990331_07.9C10.C17.o1.gs	Method	GENSCAN
Start	574	End	1623
GI	none	Score	.7
Exons	574..619, 956..1146, 1432..1623		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17740	Strand	+
Start	3910	End	13234
Name	OJ990331_07.9C10.C17.o3.gs	Method	GENSCAN
Start	3910	End	13234
GI	none	Score	.85
Exons	3910..4055, 5038..5301, 6559..6732, 9543..9649, 9893..10025, 10128..10388, 11430..11448, 11525..11744, 11870..12051, 12157..12446, 12620..12749, 12914..13234		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17740	Strand	+
Start	3910	End	13234
Name	OJ990331_07.9C10.C17.o1.np	Method	AAT/NAP
Start	3940	End	7487
GI	4262224	Score	299
Exons	3940..4055, 5038..5301, 7416..7487		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17740	Strand	+
Start	3910	End	13234
Name	OJ990331_07.9C10.C17.o2.np	Method	AAT/NAP
Start	9925	End	13231
GI	2444271	Score	1832
Exons	9925..10025, 10128..10388, 11430..11448, 11525..11744, 11870..12051, 12157..12446, 12620..12749, 12887..13231		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17740	Strand	+
Start	3910	End	13234
Name	OJ990331_07.9C10.C17.o1.gp	Method	AAT/GAP
Start	11895	End	12414
GI	4878439	Score	714
Exons	11895..12051, 12157..12414		
GI Descrip.	2444271 9.0e-40 (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	5039	End	13225
GI	none	Score	212
Exons	5039..5266, 5120..5227, 5134..5253, 5222..5302, 9979..10026, 10128..10394, 10129..10395, 11517..11588, 11518..11592, 11522..11746, 11522..11737, 11524..11748, 11838..12044,		

11839..12051, 11883..12056, 11927..12061, 12156..12350,
12156..12446, 12241..12447, 12617..12742, 12618..12746,
12881..13027, 12886..13221, 13070..13225

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o3.tm	Method	TBLASTX:Maize
Start	5039	End	10389
GI	none	Score	158
Exons	5039..5254, 5117..5227, 5128..5247, 5270..5302, 10116..10376, 10129..10389		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	5128	End	10368
GI	none	Score	85
Exons	5128..5208, 5129..5212, 5215..5253, 5216..5266, 9979..10026, 10125..10187, 10141..10185, 10182..10301, 10183..10302, 10281..10367, 10306..10368		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	11564	End	11958
GI	none	Score	48
Exons	11564..11596, 11566..11598, 11596..11757, 11597..11746, 11703..11807, 11868..11951, 11868..11954, 11869..11958		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	12357	End	13237
GI	none	Score	208
Exons	12357..12446, 12617..12748, 12618..12749, 12881..13237, 12886..13230		

Seq. No.	8319	Seq. ID	OJ990331_07.9C10.C17
Gene No.	17741	Strand	+
Start	14536	End	16481
Name	OJ990331_07.9C10.C17.o4.gs	Method	GENSCAN
Start	14536	End	16481
GI	none	Score	.9
Exons	14536..14635, 14763..14848, 14929..15107, 16274..16481		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17742	Strand	+
Start	12527	End	13486
Name	OJ990331_07.9C10.C18.o2.gs	Method	GENSCAN
Start	12527	End	13486
GI	none	Score	.42
Exons	12527..12853, 13463..13486		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17743	Strand	-
Start	1209	End	12566
Name	OJ990331_07.9C10.C18.o1.gs	Method	GENSCAN
Start	1209	End	10837
GI	none	Score	.81
Exons	1209..1404, 1587..1711, 2711..2830, 2927..3091, 3480..3608, 3685..3794, 4098..4215, 5015..5245, 5802..5993, 6479..6763, 7455..7504, 7664..7739, 7866..7953, 8507..8589, 8713..9066, 9727..9836, 9952..10049, 10779..10837		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17743	Strand	-
Start	1209	End	12566
Name	OJ990331_07.9C10.C18.o1.gp	Method	AAT/GAP
Start	1326	End	3616
GI	1962_1.R1084	Score	1965
Exons	1326..1711, 1800..2006, 2711..2830, 2927..3091, 3456..3616		
GI Descrip.	'4914452/emb|CAB43692.1| 2.0e-91 (AL050398) putative protein [Arabidopsis thaliana]'		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17743	Strand	-
Start	1209	End	12566
Name	OJ990331_07.9C10.C18.o1.np	Method	AAT/NAP
Start	1568	End	12528
GI	4914452	Score	2092
Exons	1568..1711, 1800..2006, 2711..2830, 2936..3091, 3480..3608, 3685..3794, 4098..4215, 5015..5260, 5802..5990, 6467..6763, 7455..7504, 7664..7739, 7866..7953, 8507..8586, 8701..9136, 9703..9836, 9952..10077, 12497..12528		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17743	Strand	-
Start	1209	End	12566
Name	OJ990331_07.9C10.C18.o2.gp	Method	AAT/GAP
Start	5952	End	7722
GI	uC-osflcyp088g02b1	Score	800
Exons	5952..5993, 6479..6763, 7455..7504, 7664..7722		
GI Descrip.	'4914452/emb|CAB43692.1| 5.0e-13 (AL050398) putative protein [Arabidopsis thaliana]'		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17743	Strand	-
Start	1209	End	12566
Name	OJ990331_07.9C10.C18.o3.gp	Method	AAT/GAP
Start	8883	End	12566
GI	uC-osflcyp014d03b1	Score	828
Exons	8883..9066, 9727..9836, 9952..10049, 12497..12566		
GI Descrip.	'2444271 9.0e-40 (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o1.tm	Method	TBLASTX:Maize

Start	1550	End	17509
GI	none	Score	183
Exons	1550..1714, 1563..1712, 1797..2006, 1801..2007, 1801..2007, 1802..2011, 2709..2831, 2710..2832, 2711..2833, 2925..3086, 2927..3085, 2927..3106, 2928..3092, 3450..3560, 3456..3584, 3457..3597, 3652..3795, 3657..3797, 3676..3795, 3683..3832, 15808..15966, 15813..15977, 15814..15960, 16041..16265, 16053..16262, 16054..16263, 16671..16805, 16675..16800, 16725..16859, 16876..17067, 16890..17081, 16899..17024, 16907..17086, 16909..17082, 17162..17314, 17163..17303, 17380..17505, 17381..17509		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	1601	End	16265
GI	none	Score	42
Exons	1601..1660, 1602..1703, 1667..1732, 1787..1987, 1797..2015, 1804..2007, 2735..2803, 15814..15951, 15849..15908, 15915..15977, 16041..16265, 16053..16262, 16057..16263		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	1667	End	17273
GI	none	Score	89
Exons	1667..1732, 1797..2015, 1800..2009, 1804..2010, 1804..2019, 1992..2024, 2726..2833, 2735..2833, 2936..3088, 2951..3106, 3456..3560, 3456..3566, 3457..3561, 15919..15960, 16041..16265, 16053..16235, 16057..16260, 16710..16808, 16711..16815, 16895..17086, 16930..17082, 17146..17268, 17162..17266, 17163..17273		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o2.tc	Method	TBLASTX:Cress
Start	2963	End	18339
GI	none	Score	76
Exons	2963..3103, 2963..3106, 3456..3581, 3463..3561, 3682..3792, 3683..3787, 3789..3884, 16942..17082, 16942..17082, 17162..17314, 17169..17303, 17375..17485, 17380..17490, 18271..18339		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	4096	End	22902
GI	none	Score	147
Exons	4096..4212, 4098..4217, 4998..5246, 5013..5246, 5802..5870, 5803..5946, 5806..5919, 5860..6015, 5918..5998, 5963..6022, 6474..6566, 6479..6562, 6579..6740, 6580..6768, 6740..6763, 7455..7502, 7455..7505, 7456..7506, 7659..7742, 7663..7737, 7861..7953, 7865..7960, 7866..7952, 8494..8544, 8509..8577,		

8537..8578, 8537..8581, 18217..18333, 18219..18338,
18219..18335, 18410..18640, 18414..18653, 20490..20540,
20532..20630, 20590..20670, 20662..20691, 22214..22297,
22218..22298, 22225..22302, 22226..22303, 22228..22311,
22803..22892, 22820..22900, 22828..22902

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o3.tc	Method	TBLASTX:Cress
Start	4153	End	18637
GI	none	Score	96
Exons	4153..4215, 4976..5164, 5013..5237, 5022..5237, 18407..18637, 18415..18537		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	5042	End	18637
GI	none	Score	241
Exons	5042..5200, 5043..5249, 5043..5249, 18445..18537, 18461..18637		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o4.tm	Method	TBLASTX:Maize
Start	8698	End	23182
GI	none	Score	156
Exons	8698..8850, 8701..8850, 8705..8851, 8705..8851, 8706..8858, 8949..8984, 23015..23182, 23018..23167, 23019..23168, 23020..23175		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o3.tm	Method	TBLASTX:Maize
Start	9706	End	24413
GI	none	Score	72
Exons	9706..9834, 9718..9837, 9725..9856, 9894..10052, 9938..10048, 9954..10049, 12496..12531, 24291..24413, 24293..24412		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o4.tc	Method	TBLASTX:Cress
Start	9727	End	24413
GI	none	Score	146
Exons	9727..9837, 9728..9838, 9938..10048, 9939..10052, 9944..10123, 24302..24412, 24303..24413		

Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o3.ts	Method	TBLASTX:Soybean
Start	9742	End	24420
GI	none	Score	146

Exons	9742..9837, 9743..9838, 9900..10031, 9932..10033, 9938..10036, 24317..24412, 24318..24413, 24319..24420		
Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o3.gs	Method	GENSCAN
Start	14925	End	24411
GI	none	Score	.74
Exons	14925..14963, 15849..15959, 16683..16802, 17162..17311, 17383..17492, 18219..18336, 18415..18687, 19163..19342, 20457..20620, 22031..22106, 23018..23347, 24302..24411		
Seq. No.	8320	Seq. ID	OJ990331_07.9C10.C18
Gene No.	17744	Strand	-
Start	14925	End	24525
Name	OJ990331_07.9C10.C18.o2.np	Method	AAT/NAP
Start	15816	End	24525
GI	4914452	Score	1606
Exons	15816..15959, 16053..16267, 16694..16802, 16915..17064, 17180..17311, 17383..17492, 18219..18336, 18415..18657, 19160..19342, 20454..20758, 21747..21797, 22031..22175, 22818..22910, 23018..23472, 24292..24411, 24506..24525		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		
Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17745	Strand	+
Start	7576	End	10395
Name	OJ990331_07.9C10.C19.o1.np	Method	AAT/NAP
Start	7576	End	10395
GI	4741201	Score	498
Exons	7576..9101, 10373..10395		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		
Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17746	Strand	+
Start	13752	End	13960
Name	OJ990331_07.9C10.C19.o2.gp	Method	AAT/GAP
Start	13752	End	13960
GI	none	Score	368
Exons	13752..13960		
Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17747	Strand	-
Start	1913	End	2299
Name	OJ990331_07.9C10.C19.o1.gs	Method	GENSCAN
Start	1913	End	2299
GI	none	Score	.58
Exons	1913..1981, 2255..2299		
Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17748	Strand	
Start	7689	End	8867
Name	OJ990331_07.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	7689	End	8867
GI	none	Score	59
Exons	7689..7808, 7734..8120, 7875..7949, 8024..8119, 8037..8423,		

8037..8120, 8048..8266, 8340..8726, 8342..8539, 8618..8725, 8643..8867

Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17748	Strand	
Start	7689	End	8867
Name	OJ990331_07.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	7707	End	8804
GI	none	Score	85
Exons	7707..7883, 7752..8189, 7898..8170, 7899..8228, 8037..8180, 8045..8188, 8052..8489, 8057..8488, 8265..8426, 8358..8801, 8361..8516, 8481..8792, 8577..8804		

Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17748	Strand	
Start	7689	End	8867
Name	OJ990331_07.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	7734	End	8840
GI	none	Score	153
Exons	7734..8096, 7986..8171, 8019..8402, 8042..8263, 8286..8462, 8291..8536, 8292..8705, 8589..8774, 8628..8840		

Seq. No.	8321	Seq. ID	OJ990331_07.9C10.C19
Gene No.	17748	Strand	
Start	7689	End	8867
Name	OJ990331_07.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	7740	End	8840
GI	none	Score	155
Exons	7740..8123, 8042..8269, 8043..8234, 8262..8426, 8346..8729, 8655..8840		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17749	Strand	+
Start	1393	End	1765
Name	OJ990331_07.9C10.C20.o1.gs	Method	GENSCAN
Start	1393	End	1765
GI	none	Score	.93
Exons	1393..1511, 1582..1765		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17750	Strand	-
Start	1	End	4780
Name	OJ990331_07.9C10.C20.o1.gp	Method	AAT/GAP
Start	1	End	3589
GI	428841	Score	429
Exons	1..55, 3412..3589		
GI Descrip.	2760839/gb|AAB95307.1| 4.0e-31 (AC003105) putative receptor kinase [Arabidopsis thaliana]		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17750	Strand	-
Start	1	End	4780
Name	OJ990331_07.9C10.C20.o1.np	Method	AAT/NAP
Start	1	End	4780
GI	2760839	Score	1089
Exons	1..55, 3412..3740, 3777..4780		
GI Descrip.	(AC003105) putative receptor-like protein kinase [Arabidopsis		

thaliana]

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17751	Strand	-
Start	9854	End	10210
Name	OJ990331_07.9C10.C20.o2.gp	Method	AAT/GAP
Start	9854	End	10210
GI	428102	Score	364
Exons	9854..9916, 10022..10210		
GI Descrip.	20254/emb|X13679|OSHIS3PS 5.0e-16 Oryza sativa H3 histone pseudogene H3R-12		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17752	Strand	-
Start	10952	End	13527
Name	OJ990331_07.9C10.C20.o4.gs	Method	GENSCAN
Start	10952	End	13527
GI	none	Score	.9
Exons	10952..11130, 13416..13527		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o2.tm	Method	TBLASTX:Maize
Start	1	End	3518
GI	none	Score	74
Exons	1..57, 3..56, 3410..3517, 3411..3518		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o1.tc	Method	TBLASTX:Cress
Start	6	End	4583
GI	none	Score	206
Exons	6..56, 3410..3691, 3411..3692, 4144..4224, 4277..4579, 4458..4583		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	6	End	3746
GI	none	Score	223
Exons	6..56, 3410..3709, 3411..3746		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o1.tw	Method	TBLASTX:Wheat
Start	3485	End	3691
GI	none	Score	177
Exons	3485..3691, 3486..3689, 3569..3691		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o1.tm	Method	TBLASTX:Maize

Start	3518	End	4702
GI	none	Score	131
Exons	3518..3709, 3519..3695, 3572..3709, 4120..4266, 4313..4399, 4373..4702, 4458..4631		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o2.ts	Method	TBLASTX:Soybean
Start	4135	End	4579
GI	none	Score	80
Exons	4135..4266, 4136..4261, 4277..4579, 4313..4399, 4348..4383		

Seq. No.	8322	Seq. ID	OJ990331_07.9C10.C20
Gene No.	17753	Strand	-
Start	18468	End	18556
Name	OJ990331_07.9C10.C20.o3.gp	Method	AAT/GAP
Start	18468	End	18556
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	18468..18556		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8323	Seq. ID	OJ990331_07.9C10.C21
Gene No.	17754	Strand	-
Start	679	End	2328
Name	OJ990331_07.9C10.C21.o1.gs	Method	GENSCAN
Start	679	End	1212
GI	none	Score	.8
Exons	679..852, 1092..1135, 1179..1212		

Seq. No.	8323	Seq. ID	OJ990331_07.9C10.C21
Gene No.	17754	Strand	-
Start	679	End	2328
Name	OJ990331_07.9C10.C21.o1.np	Method	AAT/NAP
Start	799	End	2328
GI	5042454	Score	188
Exons	799..852, 1092..1264, 1489..1546, 2254..2328		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17755	Strand	+
Start	15957	End	16106
Name	OJ990331_07.9C10.C22.o3.gs	Method	GENSCAN
Start	15957	End	16106
GI	none	Score	.77
Exons	15957..16106		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17756	Strand	-
Start	1146	End	3542
Name	OJ990331_07.9C10.C22.o1.np	Method	AAT/NAP
Start	1146	End	3542
GI	2967837	Score	989
Exons	1146..1607, 1662..3542		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum		

aestivum]

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17756	Strand	-
Start	1146	End	3542
Name	OJ990331_07.9C10.C22.o1.gp	Method	AAT/GAP
Start	1593	End	2195
GI	LIB3475-008-P1-K1-A9	Score	946
Exons	1593..1952, 2057..2195		
GI Descrip.	'2967837 2.0e-15 (AF052641) cyst nematode resistance gene candidate [Triticum aestivum]'		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17757	Strand	-
Start	15676	End	15766
Name	OJ990331_07.9C10.C22.o1.tw	Method	TBLASTX:Wheat
Start	17	End	382
GI	none	Score	175
Exons	17..61, 176..382		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17757	Strand	-
Start	15676	End	15766
Name	OJ990331_07.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	95	End	374
GI	none	Score	91
Exons	95..367, 158..364, 165..374, 165..374		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17757	Strand	-
Start	15676	End	15766
Name	OJ990331_07.9C10.C22.o2.tm	Method	TBLASTX:Maize
Start	584	End	880
GI	none	Score	98
Exons	584..685, 698..880, 699..866		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17757	Strand	-
Start	15676	End	15766
Name	OJ990331_07.9C10.C22.o3.tm	Method	TBLASTX:Maize
Start	1506	End	1883
GI	none	Score	152
Exons	1506..1592, 1662..1883		

Seq. No.	8324	Seq. ID	OJ990331_07.9C10.C22
Gene No.	17757	Strand	-
Start	15676	End	15766
Name	OJ990331_07.9C10.C22.o3.gp	Method	AAT/GAP
Start	15676	End	15766
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	15676..15766		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17758	Strand	+

Start	20490	End	21826
Name	OJ990331_06.9C10.C2.o4.gs	Method	GENSCAN
Start	20490	End	21826
GI	none	Score	1
Exons	20490..20939, 21425..21826		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17758	Strand	+
Start	20490	End	21826
Name	OJ990331_06.9C10.C2.o2.np	Method	AAT/NAP
Start	20499	End	21805
GI	2499011	Score	408
Exons	20499..20912, 21425..21805		
GI Descrip.	HYDROXYETHYLTHIAZOLE KINASE (4-METHYL-5-BETA-HYDROXYETHYLTHIAZOLE KINASE) (THZ KINASE) (TH KINASE) gi|1842117 (U87940) hydroxyethyl thiazole kinase [Salmonella typhimurium]		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17759	Strand	-
Start	281	End	14882
Name	OJ990331_06.9C10.C2.o1.gs	Method	GENSCAN
Start	281	End	14882
GI	none	Score	.65
Exons	281..295, 683..832, 870..970, 1271..1308, 1844..1929, 4555..4879, 5116..5293, 5589..5773, 7676..7779, 8883..8981, 9240..9409, 9499..9625, 9753..9866, 10855..11130, 11650..11892, 12130..12297, 12387..12457, 12577..12646, 13964..14065, 14775..14882		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17759	Strand	-
Start	281	End	14882
Name	OJ990331_06.9C10.C2.o1.np	Method	AAT/NAP
Start	3511	End	9613
GI	5932532	Score	1285
Exons	3511..3736, 4384..4879, 5116..5348, 5668..5773, 5881..5984, 8883..8981, 9240..9409, 9499..9613		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17759	Strand	-
Start	281	End	14882
Name	OJ990331_06.9C10.C2.o1.gp	Method	AAT/GAP
Start	4101	End	4618
GI	2311731	Score	773
Exons	4101..4303, 4379..4618		
GI Descrip.	5932532/gb|AAD56987.1|AC009465_1 1.0e-15 (AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17760	Strand	-
Start	16157	End	17757
Name	OJ990331_06.9C10.C2.o2.gs	Method	GENSCAN
Start	16157	End	17757
GI	none	Score	.4
Exons	16157..16346, 16476..16606, 16988..17021, 17315..17757		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17761	Strand	-
Start	19071	End	19574
Name	OJ990331_06.9C10.C2.o3.gs	Method	GENSCAN
Start	19071	End	19574
GI	none	Score	.53
Exons	19071..19121, 19177..19335, 19536..19574		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o4.tc	Method	TBLASTX:Cress
Start	3540	End	4174
GI	none	Score	87
Exons	3540..3674, 3551..3736, 3554..3739, 3561..3737, 4000..4170, 4007..4174		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	3647	End	4314
GI	none	Score	176
Exons	3647..3736, 3850..3879, 3877..3936, 4000..4314, 4007..4279		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	4087	End	4411
GI	none	Score	251
Exons	4087..4314, 4088..4303, 4099..4308, 4376..4411		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	4415	End	4795
GI	none	Score	393
Exons	4415..4714, 4432..4698, 4434..4700, 4698..4793, 4702..4794, 4702..4794, 4703..4795, 4715..4795		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	4633	End	4840
GI	none	Score	126
Exons	4633..4839, 4634..4840		

Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	5575	End	9417
GI	none	Score	37

Exons	5575..5679, 5588..5617, 5659..5766, 5669..5767, 5678..5770, 5858..5986, 5880..5999, 5882..5980, 5883..5990, 6101..6133, 8878..8958, 8883..8963, 9240..9383, 9266..9403, 9273..9356, 9296..9403, 9370..9417		
Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	5626	End	5987
GI	none	Score	141
Exons	5626..5772, 5630..5767, 5877..5987, 5880..5981		
Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	20516	End	20878
GI	none	Score	225
Exons	20516..20761, 20517..20756, 20751..20867, 20768..20878		
Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o2.gp	Method	AAT/GAP
Start	22890	End	23189
GI	none	Score	492
Exons	22890..23189		
Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o5.gs	Method	GENSCAN
Start	23300	End	25348
GI	none	Score	.89
Exons	23300..23311, 23839..24009, 24648..24924, 24944..25016, 25270..25348		
Seq. No.	8325	Seq. ID	OJ990331_06.9C10.C2
Gene No.	17762	Strand	-
Start	23300	End	25348
Name	OJ990331_06.9C10.C2.o3.gp	Method	AAT/GAP
Start	23652	End	24388
GI	15757_1.R1084	Score	896
Exons	23652..24033, 24290..24388		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17763	Strand	+
Start	9350	End	11265
Name	OJ990331_06.9C10.C3.o5.gs	Method	GENSCAN
Start	9350	End	11265
GI	none	Score	.43
Exons	9350..9452, 9936..10039, 10063..10163, 10956..11265		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17764	Strand	+
Start	13336	End	14210
Name	OJ990331_06.9C10.C3.o6.gs	Method	GENSCAN
Start	13336	End	14210
GI	none	Score	.88
Exons	13336..13604, 13770..13939, 13962..14055, 14180..14210		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17765	Strand	-
Start	2335	End	6142
Name	OJ990331_06.9C10.C3.o2.gs	Method	GENSCAN
Start	2335	End	2862
GI	none	Score	.95
Exons	2335..2862		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17765	Strand	-
Start	2335	End	6142
Name	OJ990331_06.9C10.C3.o1.np	Method	AAT/NAP
Start	2356	End	6080
GI	2244919	Score	235
Exons	2356..2665, 5686..5845, 5996..6080		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17765	Strand	-
Start	2335	End	6142
Name	OJ990331_06.9C10.C3.o3.gs	Method	GENSCAN
Start	3113	End	6002
GI	none	Score	.69
Exons	3113..3201, 3357..3556, 3711..3842, 4767..4946, 5686..6002		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17765	Strand	-
Start	2335	End	6142
Name	OJ990331_06.9C10.C3.o1.gp	Method	AAT/GAP
Start	5827	End	6142
GI	65622_1.R1084	Score	524
Exons	5827..6142		
GI Descrip.	'5932532/gb|AAD56987.1|AC009465_1 1.0e-15 (AC009465) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17766	Strand	-
Start	6699	End	8130
Name	OJ990331_06.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	2335	End	2565
GI	none	Score	40
Exons	2335..2565, 2337..2366, 2444..2563		

Seq. No.	8326	Seq. ID	OJ990331_06.9C10.C3
Gene No.	17766	Strand	-
Start	6699	End	8130
Name	OJ990331_06.9C10.C3.o4.gs	Method	GENSCAN
Start	6699	End	8130
GI	none	Score	.78

Exons	6699..6730, 6955..7206, 8010..8130		
Seq. No.	8327	Seq. ID	OJ990331_06.9C10.C6
Gene No.	17767	Strand	+
Start	1	End	1288
Name	OJ990331_06.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	1754627	Score	59
Exons	1..20, 210..340, 1212..1288		
GI Descrip.	(D86566) NOTCH4 [Homo sapiens]		
Seq. No.	8327	Seq. ID	OJ990331_06.9C10.C6
Gene No.	17767	Strand	+
Start	1	End	1288
Name	OJ990331_06.9C10.C6.o1.gs	Method	GENSCAN
Start	241	End	773
GI	none	Score	.75
Exons	241..390, 763..773		
Seq. No.	8327	Seq. ID	OJ990331_06.9C10.C6
Gene No.	17768	Strand	-
Start	176	End	429
Name	OJ990331_06.9C10.C6.o1.gp	Method	AAT/GAP
Start	176	End	429
GI	2798361	Score	373
Exons	176..429		
GI Descrip.	4758818/ref|NP_004548.1|pNOTCH4| 5.0e-09 Notch (Drosophila) homolog 4 >gi_2072309 (U95299) Notch4 [Homo sapiens]		
Seq. No.	8328	Seq. ID	OJ990331_06.9C10.C7
Gene No.	17769	Strand	-
Start	271	End	722
Name	OJ990331_06.9C10.C7.o1.gs	Method	GENSCAN
Start	271	End	722
GI	none	Score	.83
Exons	271..359, 515..722		
Seq. No.	8329	Seq. ID	OJ990331_06.9C10.C8
Gene No.	17770	Strand	-
Start	1	End	771
Name	OJ990331_06.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	771
GI	5852182	Score	412
Exons	1..329, 738..771		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	8329	Seq. ID	OJ990331_06.9C10.C8
Gene No.	17770	Strand	-
Start	1	End	771
Name	OJ990331_06.9C10.C8.o1.gs	Method	GENSCAN
Start	278	End	329
GI	none	Score	.47
Exons	278..329		
Seq. No.	8330	Seq. ID	OJ990331_06.9C10.C9
Gene No.	17771	Strand	+
Start	251	End	638

Name	OJ990331_06.9C10.C9.o1.gs	Method	GENSCAN
Start	251	End	638
GI	none	Score	.53
Exons	251..266, 556..638		

Seq. No.	8331	Seq. ID	OJ990331_06.9C10.C10
Gene No.	17772	Strand	+
Start	202	End	381
Name	OJ990331_06.9C10.C10.o1.gs	Method	GENSCAN
Start	202	End	381
GI	none	Score	.57
Exons	202..381		

Seq. No.	8331	Seq. ID	OJ990331_06.9C10.C10
Gene No.	17773	Strand	+
Start	413	End	623
Name	OJ990331_06.9C10.C10.o1.np	Method	AAT/NAP
Start	413	End	623
GI	862343	Score	133
Exons	413..623		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	8331	Seq. ID	OJ990331_06.9C10.C10
Gene No.	17774	Strand	-
Start	544	End	623
Name	OJ990331_06.9C10.C10.o1.gp	Method	AAT/GAP
Start	544	End	623
GI	3760640	Score	115
Exons	544..623		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17775	Strand	+
Start	5510	End	6127
Name	OJ990331_06.9C10.C11.o2.gs	Method	GENSCAN
Start	5510	End	6127
GI	none	Score	.91
Exons	5510..5545, 5906..6127		

Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17776	Strand	+
Start	10403	End	10842
Name	OJ990331_06.9C10.C11.o1.gp	Method	AAT/GAP
Start	10403	End	10842
GI	none	Score	687
Exons	10403..10842		

Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17777	Strand	+
Start	13387	End	13882
Name	OJ990331_06.9C10.C11.o2.gp	Method	AAT/GAP
Start	13387	End	13882
GI	LIB3432-059-P1-K1-D8	Score	678

Exons	13387..13781, 13833..13882		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17778	Strand	-
Start	1	End	4293
Name	OJ990331_06.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	4293
GI	3776557	Score	253
Exons	1..143, 2695..2756, 3121..3172, 3642..3965, 4216..4293		
GI Descrip.	(AC005388) Contains similarity to gi|2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb|AL022020. [Arabidopsis thaliana]		
Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17778	Strand	-
Start	1	End	4293
Name	OJ990331_06.9C10.C11.o1.gs	Method	GENSCAN
Start	2909	End	4023
GI	none	Score	.92
Exons	2909..2955, 3642..4023		
Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17779	Strand	-
Start	5993	End	15168
Name	OJ990331_06.9C10.C11.o2.np	Method	AAT/NAP
Start	5993	End	15168
GI	2388986	Score	106
Exons	5993..6073, 6430..6714, 6766..6934, 7019..7176, 9059..9345, 15110..15168		
GI Descrip.	(Z98980) wiskott-aldrich syndrome protein homolog 1 [Schizosaccharomyces pombe]		
Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17779	Strand	-
Start	5993	End	15168
Name	OJ990331_06.9C10.C11.o4.gs	Method	GENSCAN
Start	10141	End	12576
GI	none	Score	.7
Exons	10141..10230, 10569..10744, 11479..11561, 11753..12031, 12485..12576		
Seq. No.	8332	Seq. ID	OJ990331_06.9C10.C11
Gene No.	17779	Strand	-
Start	5993	End	15168
Name	OJ990331_06.9C10.C11.o3.gp	Method	AAT/GAP
Start	13763	End	13838
GI	3760640	Score	102
Exons	13763..13838		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17780	Strand	+
Start	1806	End	2446
Name	OJ990331_06.9C10.C12.o1.gs	Method	GENSCAN

Start	1806	End	2446
GI	none	Score	.61
Exons	1806..1847, 1895..1978, 2027..2446		

Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17781	Strand	-
Start	376	End	5854
Name	OJ990331_06.9C10.C12.o1.gp	Method	AAT/GAP
Start	376	End	2344
GI	none	Score	1181
Exons	376..676, 764..928, 2177..2344		

Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17781	Strand	-
Start	376	End	5854
Name	OJ990331_06.9C10.C12.o1.np	Method	AAT/NAP
Start	479	End	5024
GI	4185142	Score	162
Exons	479..676, 764..1040, 4997..5024		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17781	Strand	-
Start	376	End	5854
Name	OJ990331_06.9C10.C12.o3.np	Method	AAT/NAP
Start	3331	End	5854
GI	6587849	Score	82
Exons	3331..3378, 5633..5854		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17781	Strand	-
Start	376	End	5854
Name	OJ990331_06.9C10.C12.o2.np	Method	AAT/NAP
Start	3841	End	5854
GI	4926870	Score	73
Exons	3841..3867, 5627..5854		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8333	Seq. ID	OJ990331_06.9C10.C12
Gene No.	17781	Strand	-
Start	376	End	5854
Name	OJ990331_06.9C10.C12.o3.gs	Method	GENSCAN
Start	4357	End	5541
GI	none	Score	.4
Exons	4357..4428, 5494..5541		

Seq. No.	8334	Seq. ID	OJ990331_06.9C10.C13
Gene No.	17782	Strand	-
Start	1	End	1540
Name	OJ990331_06.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	1540
GI	4522005	Score	200
Exons	1..421, 1480..1540		

GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	8334	Seq. ID	OJ990331_06.9C10.C13
Gene No.	17782	Strand	-
Start	1	End	1540
Name	OJ990331_06.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	7	End	264
GI	none	Score	58
Exons	7..117, 9..176, 117..260, 156..263, 157..264		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.np	Method	AAT/NAP
Start	16	End	656
GI	4826399	Score	412
Exons	16..656		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	118	End	655
GI	none	Score	179
Exons	118..654, 425..655		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.gs	Method	GENSCAN
Start	151	End	585
GI	none	Score	.68
Exons	151..585		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	184	End	655
GI	none	Score	52
Exons	184..654, 215..253, 371..655		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	340	End	655
GI	none	Score	178
Exons	340..654, 404..655		
Seq. No.	8335	Seq. ID	OJ990331_06.9C10.C16
Gene No.	17783	Strand	-
Start	16	End	656
Name	OJ990331_06.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	401	End	649

GI	none	Score	74
Exons	401..520, 403..540, 541..648, 566..649		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	1040
GI	6587816	Score	732
Exons	1..1040		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009696 wall-associated kinase 1 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	18	End	989
GI	none	Score	50
Exons	18..80, 93..989, 107..391, 434..817, 890..982		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	18	End	803
GI	none	Score	44
Exons	18..80, 93..224, 149..235, 252..803, 254..802, 603..803		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.gs	Method	GENSCAN
Start	66	End	1118
GI	none	Score	.98
Exons	66..1118		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	93	End	959
GI	none	Score	749
Exons	93..959, 149..385, 431..748		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118
Name	OJ990331_06.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	110	End	473
GI	none	Score	317
Exons	110..376, 111..473		

Seq. No.	8336	Seq. ID	OJ990331_06.9C10.C18
Gene No.	17784	Strand	+
Start	1	End	1118

Name	OJ990331_06.9C10.C18.o2.tw	Method	TBLASTX:Wheat
Start	474	End	740
GI	none	Score	133
Exons	474..590, 476..598, 611..736, 612..740		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17785	Strand	+
Start	348	End	7344
Name	OJ990331_06.9C10.C19.o1.np	Method	AAT/NAP
Start	348	End	7287
GI	6523547	Score	330
Exons	348..422, 2906..2972, 5867..5988, 6189..6799, 7007..7287		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17785	Strand	+
Start	348	End	7344
Name	OJ990331_06.9C10.C19.o1.gs	Method	GENSCAN
Start	864	End	3227
GI	none	Score	.73
Exons	864..917, 1078..1180, 1405..1471, 2999..3227		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17785	Strand	+
Start	348	End	7344
Name	OJ990331_06.9C10.C19.o2.gs	Method	GENSCAN
Start	3714	End	7344
GI	none	Score	.76
Exons	3714..3773, 5990..6038, 6084..6135, 6393..6876, 6997..7344		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17786	Strand	+
Start	8225	End	8550
Name	OJ990331_06.9C10.C19.o3.np	Method	AAT/NAP
Start	8225	End	8550
GI	6721561	Score	79
Exons	8225..8332, 8518..8550		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17787	Strand	-
Start	8355	End	8550
Name	OJ990331_06.9C10.C19.o2.np	Method	AAT/NAP
Start	8103	End	8550
GI	4680183	Score	118
Exons	8103..8192, 8472..8550		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8337	Seq. ID	OJ990331_06.9C10.C19
Gene No.	17787	Strand	-
Start	8355	End	8550
Name	OJ990331_06.9C10.C19.o3.gs	Method	GENSCAN

Start	8355	End	8460
GI	none	Score	.64
Exons	8355..8460		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o1.np	Method	AAT/NAP
Start	6338	End	9589
GI	4680179	Score	5222
Exons	6338..9589		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o7.tw	Method	TBLASTX:Wheat
Start	6357	End	6746
GI	none	Score	142
Exons	6357..6611, 6633..6746, 6668..6745		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o4.tw	Method	TBLASTX:Wheat
Start	6750	End	7233
GI	none	Score	136
Exons	6750..6914, 6777..6914, 6922..7167, 6928..7233, 6936..7190		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o5.tm	Method	TBLASTX:Maize
Start	6762	End	7052
GI	none	Score	135
Exons	6762..6914, 6859..6915, 6925..7050, 6927..7052		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o3.tm	Method	TBLASTX:Maize
Start	7120	End	7620
GI	none	Score	157
Exons	7120..7299, 7128..7253, 7285..7620, 7371..7502		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	7174	End	7569
GI	none	Score	57
Exons	7174..7206, 7176..7205, 7206..7259, 7210..7569, 7210..7440, 7320..7568		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589

Name	OJ990331_06.9C10.C20.o5.tw	Method	TBLASTX:Wheat
Start	7282	End	7584
GI	none	Score	394
Exons	7282..7584, 7326..7583		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o2.tw	Method	TBLASTX:Wheat
Start	7585	End	8094
GI	none	Score	622
Exons	7585..8094, 7587..7949, 7663..8004		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o3.ts	Method	TBLASTX:Soybean
Start	7591	End	7836
GI	none	Score	200
Exons	7591..7836		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o2.tm	Method	TBLASTX:Maize
Start	7657	End	8020
GI	none	Score	477
Exons	7657..8010, 7659..7967, 7660..7995, 7710..8015, 7715..8020		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o3.tw	Method	TBLASTX:Wheat
Start	8185	End	8578
GI	none	Score	496
Exons	8185..8271, 8186..8578, 8189..8545, 8322..8546, 8323..8577		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o1.tc	Method	TBLASTX:Cress
Start	8285	End	8602
GI	none	Score	92
Exons	8285..8458, 8459..8602, 8461..8601		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o2.ts	Method	TBLASTX:Soybean
Start	8366	End	8626
GI	none	Score	287
Exons	8366..8626, 8371..8625		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o4.tm	Method	TBLASTX:Maize

Start	8425	End	8716
GI	none	Score	374
Exons	8425..8712, 8426..8716		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o1.tw	Method	TBLASTX:Wheat
Start	8585	End	9211
GI	none	Score	692
Exons	8585..9211, 8587..9210		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	8765	End	9364
GI	none	Score	217
Exons	8765..8926, 8773..8919, 8924..9364, 8926..9348		

Seq. No.	8338	Seq. ID	OJ990331_06.9C10.C20
Gene No.	17788	Strand	+
Start	6338	End	9589
Name	OJ990331_06.9C10.C20.o6.tw	Method	TBLASTX:Wheat
Start	9211	End	9544
GI	none	Score	356
Exons	9211..9423, 9212..9544, 9475..9543		

Seq. No.	8339	Seq. ID	OJ990331_06.9C10.C21
Gene No.	17789	Strand	-
Start	52	End	124
Name	OJ990331_06.9C10.C21.o1.gs	Method	GENSCAN
Start	52	End	124
GI	none	Score	.99
Exons	52..124		

Seq. No.	8340	Seq. ID	OJ990331_06.9C10.C22
Gene No.	17790	Strand	-
Start	89	End	179
Name	OJ990331_06.9C10.C22.o1.gs	Method	GENSCAN
Start	89	End	179
GI	none	Score	.73
Exons	89..179		

Seq. No.	8341	Seq. ID	OJ990331_06.9C10.C23
Gene No.	17791	Strand	+
Start	75	End	465
Name	OJ990331_06.9C10.C23.o1.gs	Method	GENSCAN
Start	75	End	465
GI	none	Score	.99
Exons	75..465		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17792	Strand	+
Start	317	End	4968
Name	OJ990331_06.9C10.C24.o1.gs	Method	GENSCAN
Start	317	End	4968

GI	none	Score	.58
Exons	317..416, 505..552, 730..4650, 4845..4968		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17792	Strand	+
Start	317	End	4968
Name	OJ990331_06.9C10.C24.o1.np	Method	AAT/NAP
Start	746	End	4651
GI	6539553	Score	6760
Exons	746..4651		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o4.tw	Method	TBLASTX:Wheat
Start	740	End	1126
GI	none	Score	354
Exons	740..1126, 751..1125		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.tm	Method	TBLASTX:Maize
Start	875	End	1188
GI	none	Score	366
Exons	875..1186, 883..1188		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	1687	End	2009
GI	none	Score	268
Exons	1687..1941, 1694..2008, 1714..2007, 1842..2009		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o5.ts	Method	TBLASTX:Soybean
Start	2036	End	2422
GI	none	Score	88
Exons	2036..2191, 2174..2422		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o5.tm	Method	TBLASTX:Maize
Start	2210	End	2644
GI	none	Score	303
Exons	2210..2644, 2419..2619		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-

Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o6.tw	Method	TBLASTX:Wheat
Start	2287	End	2479
GI	none	Score	275
Exons	2287..2358, 2288..2479, 2288..2479		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o3.ts	Method	TBLASTX:Soybean
Start	2432	End	2830
GI	none	Score	197
Exons	2432..2656, 2440..2610, 2441..2611, 2657..2830, 2665..2703		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.tc	Method	TBLASTX:Cress
Start	2465	End	2854
GI	none	Score	112
Exons	2465..2647, 2660..2854		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	2480	End	3235
GI	none	Score	634
Exons	2480..2944, 2488..2967, 2988..3218, 2996..3235, 3018..3215, 3076..3234		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	3155	End	3619
GI	5509260	Score	382
Exons	3155..3619, 3256..3324, 3373..3468, 3541..3600		
GI Descrip.	-		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	3248	End	3508
GI	none	Score	286
Exons	3248..3508, 3250..3327		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o3.tm	Method	TBLASTX:Maize
Start	3289	End	3736
GI	none	Score	361
Exons	3289..3471, 3290..3736, 3425..3607, 3541..3651		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24

Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o3.tw	Method	TBLASTX:Wheat
Start	3290	End	3835
GI	none	Score	318
Exons	3290..3634, 3437..3610, 3629..3835, 3703..3825		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.ts	Method	TBLASTX:Soybean
Start	3686	End	4033
GI	none	Score	320
Exons	3686..3934, 3688..4032, 3689..4033		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o4.tm	Method	TBLASTX:Maize
Start	3844	End	4183
GI	none	Score	304
Exons	3844..4182, 3845..4183		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.tw	Method	TBLASTX:Wheat
Start	4039	End	4515
GI	none	Score	101
Exons	4039..4110, 4040..4114, 4041..4112, 4129..4515, 4130..4477		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o4.ts	Method	TBLASTX:Soybean
Start	4046	End	4387
GI	none	Score	91
Exons	4046..4159, 4072..4152, 4178..4387, 4183..4308		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.np	Method	AAT/NAP
Start	5509	End	8970
GI	4680204	Score	719
Exons	5509..5533, 6534..6644, 6734..6907, 6996..8050, 8144..8970		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o2.gs	Method	GENSCAN
Start	5785	End	8884
GI	none	Score	.55
Exons	5785..6004, 6534..6644, 6734..6907, 6996..7649, 7857..7997, 8346..8884		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o7.tw	Method	TBLASTX:Wheat
Start	6566	End	6927
GI	none	Score	48
Exons	6566..6646, 6573..6647, 6721..6927, 6724..6909		

Seq. No.	8342	Seq. ID	OJ990331_06.9C10.C24
Gene No.	17793	Strand	-
Start	5785	End	8970
Name	OJ990331_06.9C10.C24.o5.tw	Method	TBLASTX:Wheat
Start	8534	End	8935
GI	none	Score	76
Exons	8534..8704, 8535..8651, 8694..8834, 8699..8935, 8741..8935		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.gp	Method	AAT/GAP
Start	1	End	3603
GI	342_1.R1084	Score	5702
Exons	1..3603		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.gs	Method	GENSCAN
Start	277	End	3607
GI	none	Score	.52
Exons	277..867, 958..1871, 2111..2458, 2914..3607		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.np	Method	AAT/NAP
Start	298	End	3607
GI	4680203	Score	3194
Exons	298..1275, 1552..1775, 1929..3607		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.tw	Method	TBLASTX:Wheat
Start	367	End	1669
GI	none	Score	49
Exons	367..444, 383..418, 433..513, 461..514, 518..598, 520..636, 527..667, 538..666, 614..709, 646..705, 711..776, 712..756, 716..757, 751..1668, 767..1669, 944..1669		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.tc	Method	TBLASTX:Cress

Start	934	End	1385
GI	none	Score	103
Exons	934..1083, 934..1377, 938..1381, 977..1381, 1203..1385		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	1312	End	1626
GI	none	Score	128
Exons	1312..1626, 1352..1615		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o3.tw	Method	TBLASTX:Wheat
Start	1670	End	2079
GI	none	Score	67
Exons	1670..1756, 1675..1755, 1788..1973, 1789..1974, 1789..1986, 1829..1984, 1968..2006, 2028..2078, 2029..2079		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o2.ts	Method	TBLASTX:Soybean
Start	2112	End	2354
GI	none	Score	201
Exons	2112..2354		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o2.tm	Method	TBLASTX:Maize
Start	2184	End	2641
GI	none	Score	41
Exons	2184..2378, 2388..2501, 2388..2504, 2510..2629, 2513..2641		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o2.tw	Method	TBLASTX:Wheat
Start	2218	End	2686
GI	none	Score	131
Exons	2218..2424, 2223..2447, 2419..2514, 2427..2504, 2528..2632, 2532..2633, 2630..2686, 2634..2678		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o2.tc	Method	TBLASTX:Cress
Start	2513	End	2822
GI	none	Score	56
Exons	2513..2815, 2535..2621, 2670..2822		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607

Name	OJ990331_06.9C10.C26.o1.ts	Method	TBLASTX:Soybean
Start	2555	End	2984
GI	none	Score	94
Exons	2555..2851, 2568..2819, 2846..2908, 2909..2983, 2919..2984		

Seq. No.	8343	Seq. ID	OJ990331_06.9C10.C26
Gene No.	17794	Strand	-
Start	1	End	3607
Name	OJ990331_06.9C10.C26.o4.tw	Method	TBLASTX:Wheat
Start	2905	End	3270
GI	none	Score	187
Exons	2905..3147, 2913..3155, 2921..3166, 2922..3158, 3149..3250, 3163..3270		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17795	Strand	+
Start	2636	End	4650
Name	OJ990331_06.9C10.C27.o1.gs	Method	GENSCAN
Start	2636	End	4650
GI	none	Score	.44
Exons	2636..3092, 3176..3371, 3576..4650		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17795	Strand	+
Start	2636	End	4650
Name	OJ990331_06.9C10.C27.o1.np	Method	AAT/NAP
Start	2985	End	4629
GI	4826399	Score	895
Exons	2985..3092, 3176..3359, 3452..4629		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17796	Strand	-
Start	7776	End	8322
Name	OJ990331_06.9C10.C27.o2.np	Method	AAT/NAP
Start	7776	End	8322
GI	6539585	Score	241
Exons	7776..7849, 8149..8322		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o1.tc	Method	TBLASTX:Cress
Start	2609	End	4512
GI	none	Score	78
Exons	2609..2674, 2921..2965, 3029..3088, 3217..3246, 3439..3903, 3522..3896, 3918..4220, 3919..4512		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o1.ts	Method	TBLASTX:Soybean
Start	3502	End	4305
GI	none	Score	202
Exons	3502..3732, 3522..3728, 3715..3897, 3745..3861, 3756..3896, 3919..4305, 3921..4241		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	3505	End	4461
GI	none	Score	433
Exons	3505..3894, 3531..3887, 3922..4461, 3973..4221, 3990..4274, 4392..4430		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o1.tw	Method	TBLASTX:Wheat
Start	3588	End	3900
GI	none	Score	395
Exons	3588..3875, 3595..3894, 3613..3900		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o2.tw	Method	TBLASTX:Wheat
Start	3934	End	4244
GI	none	Score	128
Exons	3934..4104, 3996..4079, 4105..4242, 4125..4244		

Seq. No.	8344	Seq. ID	OJ990331_06.9C10.C27
Gene No.	17797	Strand	-
Start	10413	End	10778
Name	OJ990331_06.9C10.C27.o3.np	Method	AAT/NAP
Start	10413	End	10778
GI	6721559	Score	414
Exons	10413..10545, 10574..10778		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8345	Seq. ID	OJ990331_06.9C10.C28
Gene No.	17798	Strand	+
Start	582	End	647
Name	OJ990331_06.9C10.C28.o1.gs	Method	GENSCAN
Start	582	End	647
GI	none	Score	.41
Exons	582..647		

Seq. No.	8345	Seq. ID	OJ990331_06.9C10.C28
Gene No.	17799	Strand	-
Start	1	End	201
Name	OJ990331_06.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	201
GI	6539585	Score	190
Exons	1..201		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8346	Seq. ID	OJ990331_06.9C10.C30
Gene No.	17800	Strand	+
Start	1	End	264

Name	OJ990331_06.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	264
GI	6539553	Score	225
Exons	1..264		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8347	Seq. ID	OJ990701_07.9C10.C1
Gene No.	17801	Strand	+
Start	1	End	741
Name	OJ990701_07.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	434
GI	5441880	Score	633
Exons	1..434		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8347	Seq. ID	OJ990701_07.9C10.C1
Gene No.	17801	Strand	+
Start	1	End	741
Name	OJ990701_07.9C10.C1.o1.gp	Method	AAT/GAP
Start	36	End	446
GI	5701669	Score	773
Exons	36..446		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8347	Seq. ID	OJ990701_07.9C10.C1
Gene No.	17801	Strand	+
Start	1	End	741
Name	OJ990701_07.9C10.C1.o1.gs	Method	GENSCAN
Start	63	End	741
GI	none	Score	.49
Exons	63..233, 315..741		

Seq. No.	8347	Seq. ID	OJ990701_07.9C10.C1
Gene No.	17801	Strand	+
Start	1	End	741
Name	OJ990701_07.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	134	End	568
GI	none	Score	272
Exons	134..433, 151..372, 497..568		

Seq. No.	8347	Seq. ID	OJ990701_07.9C10.C1
Gene No.	17801	Strand	+
Start	1	End	741
Name	OJ990701_07.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	266	End	646
GI	none	Score	208
Exons	266..460, 275..472, 466..591, 470..646, 470..616		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17802	Strand	+

Start	1	End	5328
Name	OJ990701_07.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	3923
GI	5441880	Score	2896
Exons	1..40, 161..484, 1043..1193, 1299..1635, 2222..2518, 2595..2853, 3098..3195, 3442..3573, 3689..3923		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17802	Strand	+
Start	1	End	5328
Name	OJ990701_07.9C10.C2.o1.gs	Method	GENSCAN
Start	43	End	5328
GI	none	Score	.7
Exons	43..681, 1089..1270, 1299..1545, 1720..2130, 2222..2326, 2442..2518, 2595..2853, 2946..3195, 3286..3351, 3442..3573, 3637..3862, 3873..3906, 4168..4368, 4449..4538, 5188..5328		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17802	Strand	+
Start	1	End	5328
Name	OJ990701_07.9C10.C2.o1.gp	Method	AAT/GAP
Start	2348	End	2845
GI	LIB3475-007-P1-K1-G8	Score	777
Exons	2348..2518, 2595..2845		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17803	Strand	+
Start	21393	End	21713
Name	OJ990701_07.9C10.C2.o5.gs	Method	GENSCAN
Start	21393	End	21713
GI	none	Score	.89
Exons	21393..21713		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17804	Strand	-
Start	1	End	17881
Name	OJ990701_07.9C10.C2.o2.np	Method	AAT/NAP
Start	1	End	17881
GI	4539658	Score	59
Exons	1..30, 13871..13960, 17121..17208, 17598..17881		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17804	Strand	-
Start	1	End	17881
Name	OJ990701_07.9C10.C2.o2.gp	Method	AAT/GAP
Start	4807	End	4923
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	4807..4923		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17804	Strand	-
Start	1	End	17881
Name	OJ990701_07.9C10.C2.o3.gp	Method	AAT/GAP
Start	4866	End	5266
GI	7406_1.R1084	Score	637
Exons	4866..5266		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17804	Strand	-
Start	1	End	17881
Name	OJ990701_07.9C10.C2.o3.gs	Method	GENSCAN
Start	16570	End	17577
GI	none	Score	.71
Exons	16570..16659, 16858..17399, 17478..17577		

Seq. No.	8348	Seq. ID	OJ990701_07.9C10.C2
Gene No.	17805	Strand	-
Start	19581	End	21169
Name	OJ990701_07.9C10.C2.o4.gs	Method	GENSCAN
Start	19581	End	21169
GI	none	Score	.42
Exons	19581..19804, 20536..21169		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17806	Strand	+
Start	48	End	997
Name	OJ990701_07.9C10.C3.o1.gs	Method	GENSCAN
Start	48	End	997
GI	none	Score	.85
Exons	48..131, 907..997		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17807	Strand	+
Start	1420	End	2089
Name	OJ990701_07.9C10.C3.o2.gs	Method	GENSCAN
Start	1420	End	2089
GI	none	Score	.42
Exons	1420..1437, 1442..2089		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17808	Strand	+
Start	8827	End	10482
Name	OJ990701_07.9C10.C3.o1.gp	Method	AAT/GAP
Start	8640	End	8720
GI	38012_1.R1084	Score	105
Exons	8640..8720		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17808	Strand	+
Start	8827	End	10482

Name	OJ990701_07.9C10.C3.o4.gs	Method	GENSCAN
Start	8827	End	10482
GI	none	Score	.67
Exons	8827..8909, 9749..10062, 10083..10157, 10376..10482		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17809	Strand	-
Start	3883	End	6626
Name	OJ990701_07.9C10.C3.o1.np	Method	AAT/NAP
Start	3883	End	6626
GI	6522915	Score	52
Exons	3883..4043, 5304..5384, 6588..6626		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	8349	Seq. ID	OJ990701_07.9C10.C3
Gene No.	17810	Strand	-
Start	12796	End	12948
Name	OJ990701_07.9C10.C3.o5.gs	Method	GENSCAN
Start	12796	End	12948
GI	none	Score	.85
Exons	12796..12880, 12920..12948		

Seq. No.	8350	Seq. ID	OJ990701_07.9C10.C4
Gene No.	17811	Strand	+
Start	11753	End	13378
Name	OJ990701_07.9C10.C4.o2.gp	Method	AAT/GAP
Start	11215	End	11956
GI	none	Score	688
Exons	11215..11341, 11464..11548, 11769..11956		

Seq. No.	8350	Seq. ID	OJ990701_07.9C10.C4
Gene No.	17811	Strand	+
Start	11753	End	13378
Name	OJ990701_07.9C10.C4.o2.gs	Method	GENSCAN
Start	11753	End	13378
GI	none	Score	.81
Exons	11753..12332, 13311..13378		

Seq. No.	8350	Seq. ID	OJ990701_07.9C10.C4
Gene No.	17812	Strand	-
Start	991	End	1126
Name	OJ990701_07.9C10.C4.o1.np	Method	AAT/NAP
Start	991	End	1126
GI	6815099	Score	74
Exons	991..1126		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8350	Seq. ID	OJ990701_07.9C10.C4
Gene No.	17813	Strand	-
Start	7821	End	8212
Name	OJ990701_07.9C10.C4.o1.gp	Method	AAT/GAP
Start	7821	End	8212
GI	5004627	Score	691
Exons	7821..8212		

Seq. No.	8350	Seq. ID	OJ990701_07.9C10.C4
Gene No.	17814	Strand	-

Start	12530	End	12795
Name	OJ990701_07.9C10.C4.o3.gp	Method	AAT/GAP
Start	12530	End	12795
GI	none	Score	520
Exons	12530..12795		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17815	Strand	+
Start	1	End	3694
Name	OJ990701_07.9C10.C5.o1.gp	Method	AAT/GAP
Start	1	End	172
GI	LIB3431-062-P1-K1-D12	Score	293
Exons	1..172		
GI Descrip.	'2244965/emb|CAB10386.1| 3.0e-28 (Z97340) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17815	Strand	+
Start	1	End	3694
Name	OJ990701_07.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	3670
GI	2244965	Score	1436
Exons	1..168, 988..1194, 1311..1583, 1995..2118, 2188..2286, 2540..2716, 2840..3670		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17815	Strand	+
Start	1	End	3694
Name	OJ990701_07.9C10.C5.o1.gs	Method	GENSCAN
Start	117	End	3694
GI	none	Score	.96
Exons	117..168, 476..504, 988..1185, 1311..1583, 1995..2097, 2168..2286, 2540..2716, 2945..3694		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17816	Strand	-
Start	3473	End	3919
Name	OJ990701_07.9C10.C5.o2.gp	Method	AAT/GAP
Start	3473	End	3919
GI	LIB3431-062-P1-N1-D12	Score	874
Exons	3473..3919		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	9	End	189
GI	none	Score	181
Exons	9..164, 49..189		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937

Name	OJ990701_07.9C10.C5.o5.tm	Method	TBLASTX:Maize
Start	12	End	1065
GI	none	Score	184
Exons	12..155, 49..192, 85..168, 985..1065		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	1310	End	2256
GI	none	Score	60
Exons	1310..1435, 1310..1582, 1311..1586, 1995..2105, 1997..2116, 2158..2256, 2166..2255		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	1332	End	2290
GI	none	Score	368
Exons	1332..1586, 1347..1580, 1993..2064, 1995..2096, 1996..2091, 1997..2095, 2158..2244, 2166..2267, 2168..2263, 2214..2288, 2218..2289, 2234..2290		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	2015	End	2719
GI	none	Score	101
Exons	2015..2116, 2016..2096, 2157..2288, 2158..2289, 2535..2642, 2539..2718, 2540..2719		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	2570	End	3232
GI	none	Score	223
Exons	2570..2719, 2580..2717, 2942..3172, 2943..3035, 2954..3205, 3066..3209, 3111..3206, 3189..3227, 3200..3232		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	3284	End	3703
GI	none	Score	490
Exons	3284..3700, 3286..3699, 3287..3703		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o3.tc	Method	TBLASTX:Cress
Start	3413	End	3640
GI	none	Score	83
Exons	3413..3493, 3439..3522, 3529..3639, 3530..3640		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	7000	End	9283
GI	none	Score	282
Exons	7000..7290, 7013..7267, 7017..7289, 7033..7290, 7041..7295, 7356..7439, 7378..7443, 7378..7443, 7642..7728, 7649..7729, 7654..7722, 8222..8410, 8236..8358, 8240..8374, 8241..8375, 8409..8432, 9006..9113, 9010..9111, 9235..9279, 9242..9283		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	7036	End	9658
GI	none	Score	154
Exons	7036..7290, 7049..7276, 7380..7439, 7381..7443, 7654..7722, 8232..8312, 8240..8374, 9006..9113, 9010..9108, 9011..9109, 9235..9315, 9242..9445, 9303..9434, 9517..9657, 9524..9658		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o3.gs	Method	GENSCAN
Start	7039	End	9933
GI	none	Score	.94
Exons	7039..7288, 7381..7442, 7654..7719, 8243..8374, 9009..9110, 9245..9442, 9517..9663, 9823..9933		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o2.np	Method	AAT/NAP
Start	7042	End	9933
GI	6714447	Score	993
Exons	7042..7288, 7381..7442, 7654..7719, 8243..8374, 9009..9110, 9245..9442, 9517..9663, 9823..9933		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	9006	End	9558
GI	none	Score	99
Exons	9006..9113, 9009..9125, 9239..9445, 9242..9445, 9511..9558, 9517..9558		

Seq. No.	8351	Seq. ID	OJ990701_07.9C10.C5
Gene No.	17817	Strand	-
Start	7039	End	9937
Name	OJ990701_07.9C10.C5.o3.gp	Method	AAT/GAP
Start	9271	End	9937
GI	1631485	Score	769
Exons	9271..9442, 9517..9663, 9823..9937		

GI Descrip. 2077943/dbj|BAA19882| 7.0e-29 (D88672) phospholipase D [Rattus norvegicus]

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17818	Strand	+
Start	10011	End	16472
Name	OJ990701_07.9C10.C6.o2.gs	Method	GENSCAN
Start	10011	End	16472
GI	none	Score	.55
Exons	10011..10066, 11190..11272, 12107..12185, 13217..13344, 13961..14320, 14611..14667, 15613..15708, 16339..16472		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17819	Strand	+
Start	19957	End	21569
Name	OJ990701_07.9C10.C6.o4.gs	Method	GENSCAN
Start	19957	End	21569
GI	none	Score	.48
Exons	19957..19976, 20661..20776, 21160..21323, 21420..21569		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17820	Strand	+
Start	24674	End	35547
Name	OJ990701_07.9C10.C6.o2.np	Method	AAT/NAP
Start	24674	End	27850
GI	3549626	Score	397
Exons	24674..24738, 26764..27850		

GI Descrip. (AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17820	Strand	+
Start	24674	End	35547
Name	OJ990701_07.9C10.C6.o5.gs	Method	GENSCAN
Start	25632	End	30730
GI	none	Score	.83
Exons	25632..25783, 26175..26250, 26810..28634, 29811..30052, 30154..30283, 30420..30730		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17820	Strand	+
Start	24674	End	35547
Name	OJ990701_07.9C10.C6.o3.np	Method	AAT/NAP
Start	29864	End	31235
GI	3522961	Score	568
Exons	29864..30052, 30145..30291, 30422..30711, 30824..30946, 31026..31235		

GI Descrip. (AC004411) putative protein kinase [Arabidopsis thaliana]

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17820	Strand	+
Start	24674	End	35547
Name	OJ990701_07.9C10.C6.o3.gp	Method	AAT/GAP
Start	30615	End	35547
GI	13679_1.R1084	Score	1508
Exons	30615..30702, 30815..30946, 31026..31112, 34629..34758, 34861..34900, 35120..35190, 35277..35547		

GI Descrip. '3763932 6.0e-23 (AC004450) putative protein kinase [Arabidopsis

thaliana]'

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17821	Strand	+
Start	35910	End	36392
Name	OJ990701_07.9C10.C6.o4.gp	Method	AAT/GAP
Start	35910	End	36392
GI	none	Score	890
Exons	35910..36392		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17822	Strand	-
Start	116	End	8335
Name	OJ990701_07.9C10.C6.o1.gs	Method	GENSCAN
Start	116	End	8335
GI	none	Score	.65
Exons	116..225, 596..718, 1198..1737, 1804..1960, 2105..2254, 2332..2471, 2486..2558, 2729..2832, 3303..3425, 5141..5314, 5725..5851, 6033..6151, 6641..6737, 7315..7446, 7686..8335		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17822	Strand	-
Start	116	End	8335
Name	OJ990701_07.9C10.C6.o1.np	Method	AAT/NAP
Start	1505	End	7960
GI	6714447	Score	1682
Exons	1505..1737, 1804..1960, 2105..2254, 2332..2450, 3518..3634, 3722..3961, 5141..5314, 5408..5575, 5725..5866, 6033..6151, 6641..6742, 7730..7960		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17822	Strand	-
Start	116	End	8335
Name	OJ990701_07.9C10.C6.o1.gp	Method	AAT/GAP
Start	2404	End	5203
GI	uC-osf1M202097d01b1	Score	908
Exons	2404..2471, 3518..3634, 3722..3961, 5141..5203		
GI Descrip.	'2773042 5.0e-26 (AF038440) phospholipase D2 [Homo sapiens]'		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17823	Strand	-
Start	20166	End	20246
Name	OJ990701_07.9C10.C6.o2.gp	Method	AAT/GAP
Start	20166	End	20246
GI	38012_1.R1084	Score	113
Exons	20166..20246		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17824	Strand	-
Start	32689	End	36313
Name	OJ990701_07.9C10.C6.o6.gs	Method	GENSCAN
Start	32689	End	36313
GI	none	Score	.61
Exons	32689..32790, 33217..33391, 33597..33814, 33882..34094,		

36260..36313

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o5.tm	Method	TBLASTX:Maize
Start	1361	End	1740
GI	none	Score	59
Exons	1361..1468, 1363..1470, 1482..1586, 1534..1584, 1636..1740, 1637..1738, 1641..1739		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	1825	End	2242
GI	none	Score	100
Exons	1825..1962, 1826..1999, 2085..2237, 2095..2241, 2102..2242		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	3590	End	3928
GI	none	Score	60
Exons	3590..3637, 3594..3635, 3719..3874, 3737..3865, 3741..3878, 3741..3878, 3866..3928		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o4.tm	Method	TBLASTX:Maize
Start	14185	End	14709
GI	none	Score	186
Exons	14185..14505, 14188..14511, 14258..14512, 14508..14621, 14509..14559, 14580..14708, 14610..14708, 14662..14709		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	26843	End	30616
GI	none	Score	45
Exons	26843..26905, 26902..26979, 26903..26983, 27004..27138, 27005..27154, 27191..27241, 27238..27339, 27251..27496, 27367..27471, 27893..28075, 28421..28510, 29888..30022, 30121..30285, 30425..30616, 30457..30612		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	26860	End	30285
GI	none	Score	141
Exons	26860..26994, 26861..26995, 26992..27339, 26993..27340, 26997..27341, 30163..30285		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	26897	End	31178
GI	none	Score	63
Exons	26897..26983, 27008..27148, 27251..27334, 27362..27523, 27397..27507, 28463..28510, 29804..30028, 30162..30260, 30175..30291, 30315..30344, 30416..30619, 30421..30612, 30691..30714, 30815..30868, 30825..30869, 30859..30945, 30860..30946, 31016..31156, 31026..31178		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	26897	End	30273
GI	none	Score	67
Exons	26897..26986, 27005..27139, 27890..28075, 29867..30037, 30148..30273		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	27254	End	30616
GI	none	Score	101
Exons	27254..27373, 27359..27490, 28451..28510, 30494..30616		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	27362	End	31178
GI	none	Score	144
Exons	27362..27523, 27379..27513, 28463..28510, 29828..30040, 29878..30033, 30413..30529, 30416..30619, 30420..30587, 30421..30612, 30655..30714, 30815..30868, 30825..30869, 30859..30945, 30860..30946, 31016..31159, 31019..31111, 31026..31178		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	28158	End	28400
GI	none	Score	49
Exons	28158..28217, 28159..28377, 28160..28378, 28263..28400		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o3.tc	Method	TBLASTX:Cress
Start	30815	End	31178
GI	none	Score	44
Exons	30815..30868, 30825..30869, 30859..30942, 30860..30946, 31016..31114, 31026..31178		

Seq. No.	8352	Seq. ID	OJ990701_07.9C10.C6
Gene No.	17825	Strand	-
Start	36987	End	37159
Name	OJ990701_07.9C10.C6.o5.gp	Method	AAT/GAP
Start	36987	End	37159
GI	none	Score	283
Exons	36987..37159		

Seq. No.	8353	Seq. ID	OJ990701_07.9C10.C7
Gene No.	17826	Strand	+
Start	490	End	3536
Name	OJ990701_07.9C10.C7.o1.gs	Method	GENSCAN
Start	490	End	3536
GI	none	Score	.77
Exons	490..569, 1627..1682, 1833..1944, 2315..2379, 3099..3245, 3436..3536		

Seq. No.	8354	Seq. ID	OJ990721_03.9C10.C1
Gene No.	17827	Strand	+
Start	667	End	1463
Name	OJ990721_03.9C10.C1.o1.gs	Method	GENSCAN
Start	667	End	1461
GI	none	Score	.92
Exons	667..991, 1091..1461		

Seq. No.	8354	Seq. ID	OJ990721_03.9C10.C1
Gene No.	17827	Strand	+
Start	667	End	1463
Name	OJ990721_03.9C10.C1.o1.np	Method	AAT/NAP
Start	667	End	1463
GI	4512231	Score	1263
Exons	667..1463		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	3996
GI	4680179	Score	5222
Exons	1..588, 616..3996		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	4	End	294
GI	none	Score	225
Exons	4..294		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	4	End	339

GI	none	Score	286
Exons	4..339, 16..183		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.gs	Method	GENSCAN
Start	196	End	4008
GI	none	Score	.85
Exons	196..1429, 1676..3021, 3205..4008		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	673	End	1026
GI	none	Score	244
Exons	673..1026		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	1030	End	1221
GI	none	Score	188
Exons	1030..1221, 1068..1175		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	1158	End	1641
GI	none	Score	529
Exons	1158..1598, 1159..1641, 1195..1638		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	1195	End	1509
GI	none	Score	192
Exons	1195..1509		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	1224	End	1695
GI	none	Score	385
Exons	1224..1661, 1228..1695		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	1582	End	1977
GI	none	Score	57

Exons	1582..1614, 1582..1614, 1618..1977, 1621..1761, 1734..1967		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	1690	End	1992
GI	none	Score	411
Exons	1690..1992, 1731..1991		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	1711	End	2058
GI	none	Score	327
Exons	1711..2058, 1779..2057		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	1993	End	2418
GI	none	Score	591
Exons	1993..2418, 1995..2057, 2076..2411		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	1999	End	2247
GI	none	Score	197
Exons	1999..2247		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	2065	End	2418
GI	none	Score	455
Exons	2065..2418, 2076..2411		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	2446	End	2986
GI	none	Score	616
Exons	2446..2985, 2634..2981, 2636..2986		
Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	2683	End	3009
GI	none	Score	87
Exons	2683..2865, 2866..3009, 2868..3008		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	2784	End	3033
GI	none	Score	298
Exons	2784..3032, 2785..3033		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	2832	End	3123
GI	none	Score	145
Exons	2832..3083, 2832..3119, 2833..3123		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	2992	End	3618
GI	none	Score	696
Exons	2992..3618, 3048..3497		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	3171	End	3756
GI	none	Score	229
Exons	3171..3326, 3172..3333, 3330..3491, 3331..3756, 3546..3755		

Seq. No.	8355	Seq. ID	OJ990721_03.9C10.C2
Gene No.	17828	Strand	+
Start	1	End	4008
Name	OJ990721_03.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	3618	End	3951
GI	none	Score	300
Exons	3618..3899, 3619..3951		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17829	Strand	+
Start	560	End	12509
Name	OJ990721_03.9C10.C3.o1.np	Method	AAT/NAP
Start	560	End	12509
GI	6063554	Score	347
Exons	560..857, 976..1204, 1512..1539, 12335..12509		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17829	Strand	+
Start	560	End	12509
Name	OJ990721_03.9C10.C3.o1.gs	Method	GENSCAN
Start	964	End	5214

GI	none	Score	.81
Exons	964..1204, 1265..1287, 1512..1535, 3076..3290, 3564..3761, 3801..4245, 4610..5214		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17829	Strand	+
Start	560	End	12509
Name	OJ990721_03.9C10.C3.o1.gp	Method	AAT/GAP
Start	1006	End	1739
GI	101153_1.R1084	Score	588
Exons	1006..1204, 1512..1739		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17829	Strand	+
Start	560	End	12509
Name	OJ990721_03.9C10.C3.o2.gp	Method	AAT/GAP
Start	1758	End	2187
GI	2428185	Score	813
Exons	1758..2187		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17829	Strand	+
Start	560	End	12509
Name	OJ990721_03.9C10.C3.o4.gp	Method	AAT/GAP
Start	11916	End	12349
GI	2428185	Score	709
Exons	11916..12349		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17830	Strand	+
Start	13223	End	14320
Name	OJ990721_03.9C10.C3.o3.gs	Method	GENSCAN
Start	13223	End	14320
GI	none	Score	.69
Exons	13223..14320		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17831	Strand	-
Start	2710	End	3018
Name	OJ990721_03.9C10.C3.o3.gp	Method	AAT/GAP
Start	2710	End	3018
GI	61605_3.R1084	Score	461
Exons	2710..3018		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17832	Strand	-
Start	5930	End	12255
Name	OJ990721_03.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	5312	End	5557

GI	none	Score	235
Exons	5312..5557, 5323..5478, 5521..5553		

Seq. No.	8356	Seq. ID	OJ990721_03.9C10.C3
Gene No.	17832	Strand	-
Start	5930	End	12255
Name	OJ990721_03.9C10.C3.o2.gs	Method	GENSCAN
Start	5930	End	12255
GI	none	Score	.63
Exons	5930..6568, 7041..7382, 7458..7667, 8289..8340, 10889..11458, 12242..12255		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17833	Strand	+
Start	1	End	3449
Name	OJ990721_03.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	3449
GI	5777623	Score	1082
Exons	1..72, 252..771, 1587..1829, 3342..3449		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17833	Strand	+
Start	1	End	3449
Name	OJ990721_03.9C10.C4.o1.gp	Method	AAT/GAP
Start	2486	End	3000
GI	38782_1.R1084	Score	810
Exons	2486..3000		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17834	Strand	+
Start	4136	End	7369
Name	OJ990721_03.9C10.C4.o2.gs	Method	GENSCAN
Start	4136	End	6144
GI	none	Score	.52
Exons	4136..4249, 4888..4930, 5265..5523, 5844..6144		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17834	Strand	+
Start	4136	End	7369
Name	OJ990721_03.9C10.C4.o4.np	Method	AAT/NAP
Start	4639	End	7369
GI	3249064	Score	88
Exons	4639..4882, 7337..7369		
GI Descrip.	(AC004473) Strong similarity to trehalose-6-phosphate synthase homolog gb|2245136 from A. thaliana chromosome 4 contig gb|Z97344. [Arabidopsis thaliana]		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17835	Strand	-
Start	1737	End	6250
Name	OJ990721_03.9C10.C4.o2.np	Method	AAT/NAP
Start	1737	End	5192
GI	4680186	Score	201
Exons	1737..2155, 2683..2790, 5163..5192		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17835	Strand	-
Start	1737	End	6250
Name	OJ990721_03.9C10.C4.o3.np	Method	AAT/NAP
Start	3573	End	6250
GI	3776559	Score	79
Exons	3573..3828, 6072..6250		

GI Descrip. (AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	3649	End	3830
GI	none	Score	69
Exons	3649..3738, 3653..3739, 3665..3745, 3666..3749, 3746..3826, 3750..3830, 3751..3828		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o3.gs	Method	GENSCAN
Start	6740	End	8263
GI	none	Score	.72
Exons	6740..6928, 7924..8033, 8177..8263		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o5.np	Method	AAT/NAP
Start	7308	End	8600
GI	4234852	Score	1156
Exons	7308..8600		

GI Descrip. (AF082133) gag-pol polyprotein [Zea mays]

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	7359	End	7755
GI	none	Score	81
Exons	7359..7574, 7582..7755, 7583..7723		

Seq. No.	8357	Seq. ID	OJ990721_03.9C10.C4
Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	7843	End	8097
GI	none	Score	94
Exons	7843..8097, 7844..7963		

Seq. No. 8357 Seq. ID OJ990721_03.9C10.C4

Gene No.	17836	Strand	-
Start	6740	End	8600
Name	OJ990721_03.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	7903	End	8372
GI	none	Score	57
Exons	7903..8109, 7907..8101, 8042..8278, 8088..8270, 8088..8306, 8313..8372		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17837	Strand	+
Start	890	End	1892
Name	OJ990721_03.9C10.C5.o1.gs	Method	GENSCAN
Start	890	End	1892
GI	none	Score	.41
Exons	890..982, 1287..1487, 1503..1892		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17837	Strand	+
Start	890	End	1892
Name	OJ990721_03.9C10.C5.o2.np	Method	AAT/NAP
Start	1335	End	1769
GI	2213591	Score	255
Exons	1335..1769		
GI Descrip.	(AC000348) T7N9.11 [Arabidopsis thaliana]		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17838	Strand	-
Start	26	End	2321
Name	OJ990721_03.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	12	End	2321
GI	none	Score	72
Exons	12..80, 13..84, 25..84, 98..205, 99..206, 102..206, 213..305, 218..310, 2084..2176, 2096..2167, 2150..2296, 2188..2295, 2285..2320, 2286..2321		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17838	Strand	-
Start	26	End	2321
Name	OJ990721_03.9C10.C5.o1.np	Method	AAT/NAP
Start	26	End	310
GI	3776559	Score	90
Exons	26..310		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17838	Strand	-
Start	26	End	2321
Name	OJ990721_03.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	1356	End	1766
GI	none	Score	218
Exons	1356..1577, 1403..1513, 1641..1766, 1646..1765		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17838	Strand	-

Start	26	End	2321
Name	OJ990721_03.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	1356	End	1574
GI	none	Score	241
Exons	1356..1574, 1379..1507		

Seq. No.	8358	Seq. ID	OJ990721_03.9C10.C5
Gene No.	17838	Strand	-
Start	26	End	2321
Name	OJ990721_03.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	1365	End	1691
GI	none	Score	213
Exons	1365..1577, 1632..1691		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17839	Strand	+
Start	1	End	2023
Name	OJ990721_03.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	2023
GI	2213591	Score	163
Exons	1..311, 1994..2023		
GI Descrip.	(AC000348) T7N9.11 [Arabidopsis thaliana]		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17839	Strand	+
Start	1	End	2023
Name	OJ990721_03.9C10.C6.o1.gs	Method	GENSCAN
Start	57	End	464
GI	none	Score	.91
Exons	57..464		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17840	Strand	-
Start	639	End	2924
Name	OJ990721_03.9C10.C6.o2.np	Method	AAT/NAP
Start	639	End	2924
GI	3776559	Score	129
Exons	639..785, 2764..2924		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17841	Strand	-
Start	3024	End	4157
Name	OJ990721_03.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	3	End	311
GI	none	Score	100
Exons	3..119, 186..311, 188..310		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17841	Strand	-
Start	3024	End	4157
Name	OJ990721_03.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	627	End	3465
GI	none	Score	87

Exons	627..710, 628..720, 640..711, 690..821, 703..831, 718..882, 822..920, 827..925, 832..921, 1835..1918, 1839..1922, 1840..1932, 1926..2030, 1926..2033, 1927..2043, 1931..2104, 2041..2127, 2045..2137, 2046..2126, 2617..2646, 2639..2698, 2737..2817, 2818..2925, 2830..2922, 3395..3460, 3400..3465, 3411..3464, 3412..3465		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17841	Strand	-
Start	3024	End	4157
Name	OJ990721_03.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	678	End	2922
GI	none	Score	38
Exons	678..821, 700..738, 791..835, 827..925, 840..920, 1881..2033, 2046..2126, 2050..2115, 2743..2817, 2830..2922		

Seq. No.	8359	Seq. ID	OJ990721_03.9C10.C6
Gene No.	17841	Strand	-
Start	3024	End	4157
Name	OJ990721_03.9C10.C6.o3.gs	Method	GENSCAN
Start	3024	End	4157
GI	none	Score	.74
Exons	3024..3083, 4113..4157		

Seq. No.	8360	Seq. ID	OJ990721_03.9C10.C7
Gene No.	17842	Strand	+
Start	2378	End	8255
Name	OJ990721_03.9C10.C7.o1.np	Method	AAT/NAP
Start	2378	End	8255
GI	6562298	Score	17
Exons	2378..2447, 5502..5642, 8142..8255		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	8360	Seq. ID	OJ990721_03.9C10.C7
Gene No.	17842	Strand	+
Start	2378	End	8255
Name	OJ990721_03.9C10.C7.o2.gs	Method	GENSCAN
Start	2884	End	6463
GI	none	Score	.49
Exons	2884..2888, 3510..3665, 4407..4476, 5253..5735, 6068..6463		

Seq. No.	8360	Seq. ID	OJ990721_03.9C10.C7
Gene No.	17843	Strand	-
Start	1481	End	2495
Name	OJ990721_03.9C10.C7.o1.gs	Method	GENSCAN
Start	1481	End	2495
GI	none	Score	.81
Exons	1481..1693, 1808..1956, 2321..2495		

Seq. No.	8361	Seq. ID	OJ990721_03.9C10.C8
Gene No.	17844	Strand	+
Start	2540	End	13804
Name	OJ990721_03.9C10.C8.o1.gs	Method	GENSCAN
Start	2540	End	13804
GI	none	Score	.52
Exons	2540..2605, 4634..4720, 4842..5025, 5449..6475, 7253..7379, 7903..8068, 9033..9122, 9542..9671, 9882..10068, 10092..10256,		

10503..10616, 10695..10835, 11698..11866, 11909..11959,
12919..13045, 13672..13804

Seq. No.	8361	Seq. ID	OJ990721_03.9C10.C8
Gene No.	17844	Strand	+
Start	2540	End	13804
Name	OJ990721_03.9C10.C8.o1.np	Method	AAT/NAP
Start	10503	End	10969
GI	5902444	Score	266
Exons	10503..10969		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8361	Seq. ID	OJ990721_03.9C10.C8
Gene No.	17845	Strand	-
Start	13544	End	20326
Name	OJ990721_03.9C10.C8.o2.np	Method	AAT/NAP
Start	13544	End	20326
GI	81286	Score	155
Exons	13544..13708, 13828..13881, 15260..15573, 15762..15832, 16646..16890, 20264..20326		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	8362	Seq. ID	OJ990721_03.9C10.C9
Gene No.	17846	Strand	+
Start	884	End	4237
Name	OJ990721_03.9C10.C9.o1.gs	Method	GENSCAN
Start	884	End	4206
GI	none	Score	.79
Exons	884..1015, 1778..1955, 2210..2346, 2852..3002, 3320..3535, 3702..3826, 3894..4076, 4148..4206		

Seq. No.	8362	Seq. ID	OJ990721_03.9C10.C9
Gene No.	17846	Strand	+
Start	884	End	4237
Name	OJ990721_03.9C10.C9.o1.np	Method	AAT/NAP
Start	1956	End	3687
GI	6721512	Score	69
Exons	1956..2071, 3640..3687		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8362	Seq. ID	OJ990721_03.9C10.C9
Gene No.	17846	Strand	+
Start	884	End	4237
Name	OJ990721_03.9C10.C9.o3.np	Method	AAT/NAP
Start	2861	End	4237
GI	6721561	Score	202
Exons	2861..2929, 3894..4076, 4148..4237		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8362	Seq. ID	OJ990721_03.9C10.C9
Gene No.	17846	Strand	+
Start	884	End	4237

Name	OJ990721_03.9C10.C9.o2.np	Method	AAT/NAP
Start	2903	End	4237
GI	6721558	Score	195
Exons	2903..3002, 3702..3826, 4217..4237		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17847	Strand	+
Start	1	End	1577
Name	OJ990721_03.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	726
GI	6721561	Score	776
Exons	1..726		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17847	Strand	+
Start	1	End	1577
Name	OJ990721_03.9C10.C10.o1.gs	Method	GENSCAN
Start	70	End	1577
GI	none	Score	.45
Exons	70..473, 824..987, 1060..1577		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o2.gs	Method	GENSCAN
Start	2185	End	11321
GI	none	Score	.45
Exons	2185..3020, 3096..4205, 4291..5089, 5258..6561, 6651..7284, 7328..8298, 8646..8793, 9221..9257, 11227..11321		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o2.tw	Method	TBLASTX:Wheat
Start	2197	End	8734
GI	none	Score	55
Exons	2197..2328, 2198..2323, 2353..2805, 2549..2656, 2705..2791, 8672..8734		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o2.np	Method	AAT/NAP
Start	2221	End	8607
GI	5922631	Score	3073
Exons	2221..3429, 3469..4771, 5153..5965, 6089..6340, 6383..6797, 7032..7124, 8502..8607		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays		

retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o3.tw	Method	TBLASTX:Wheat
Start	2929	End	3312
GI	none	Score	215
Exons	2929..3312, 2930..3304		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	3007	End	3312
GI	none	Score	179
Exons	3007..3312, 3008..3295		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o8.tw	Method	TBLASTX:Wheat
Start	3517	End	3811
GI	none	Score	84
Exons	3517..3810, 3644..3811		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	3715	End	4098
GI	none	Score	62
Exons	3715..3963, 3737..3835, 3973..4098		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o5.tw	Method	TBLASTX:Wheat
Start	3814	End	4221
GI	none	Score	55
Exons	3814..3885, 3814..3987, 3995..4168, 3997..4221		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	4310	End	4735
GI	none	Score	86
Exons	4310..4735, 4551..4676		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321

Name	OJ990721_03.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	4365	End	4789
GI	none	Score	246
Exons	4365..4679, 4367..4789, 4400..4744		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	4463	End	4819
GI	none	Score	113
Exons	4463..4819, 4464..4679, 4717..4812		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	4832	End	5002
GI	none	Score	127
Exons	4832..4951, 4834..4932, 4835..5002		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o7.tw	Method	TBLASTX:Wheat
Start	4835	End	5014
GI	none	Score	116
Exons	4835..5014, 4842..5012		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o4.tw	Method	TBLASTX:Wheat
Start	5015	End	5782
GI	none	Score	151
Exons	5015..5269, 5016..5180, 5327..5563, 5337..5402, 5342..5557, 5445..5561, 5600..5782, 5673..5774		

Seq. No.	8363	Seq. ID	OJ990721_03.9C10.C10
Gene No.	17848	Strand	-
Start	2185	End	11321
Name	OJ990721_03.9C10.C10.o6.tw	Method	TBLASTX:Wheat
Start	6413	End	6805
GI	none	Score	87
Exons	6413..6688, 6414..6638, 6647..6760, 6699..6737, 6761..6805		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17849	Strand	+
Start	1265	End	3080
Name	OJ990721_03.9C10.C12.o1.gs	Method	GENSCAN
Start	1265	End	3080
GI	none	Score	.51
Exons	1265..1269, 1924..2439, 2789..2915, 2961..3080		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17850	Strand	+
Start	7079	End	12225

Name	OJ990721_03.9C10.C12.o2.np	Method	AAT/NAP
Start	6940	End	12225
GI	2586082	Score	2928
Exons	6940..9386, 9414..10496, 12170..12225		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17850	Strand	+
Start	7079	End	12225
Name	OJ990721_03.9C10.C12.o2.gs	Method	GENSCAN
Start	7079	End	9662
GI	none	Score	.5
Exons	7079..7715, 7818..8006, 8127..8185, 9297..9662		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17851	Strand	+
Start	14656	End	21494
Name	OJ990721_03.9C10.C12.o3.np	Method	AAT/NAP
Start	14656	End	17003
GI	6498436	Score	304
Exons	14656..15086, 15178..15304, 15548..15723, 16935..17003		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17851	Strand	+
Start	14656	End	21494
Name	OJ990721_03.9C10.C12.o4.np	Method	AAT/NAP
Start	16057	End	21494
GI	5091513	Score	2065
Exons	16057..16086, 17857..18113, 18162..18886, 19629..20446, 20568..20855, 21379..21494		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17851	Strand	+
Start	14656	End	21494
Name	OJ990721_03.9C10.C12.o1.gp	Method	AAT/GAP
Start	17179	End	17403
GI	3761181	Score	358
Exons	17179..17403		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17852	Strand	+
Start	21420	End	21575
Name	OJ990721_03.9C10.C12.o4.gs	Method	GENSCAN
Start	21420	End	21575
GI	none	Score	.84
Exons	21420..21575		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17853	Strand	+
Start	25255	End	31304
Name	OJ990721_03.9C10.C12.o6.gs	Method	GENSCAN
Start	25255	End	31104
GI	none	Score	.73

Exons	25255..25572, 26128..26284, 27030..27207, 27294..27501, 28263..28470, 28858..29126, 29157..29288, 29691..29859, 29917..30117, 30677..30867, 30961..31104		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17853	Strand	+
Start	25255	End	31304
Name	OJ990721_03.9C10.C12.o5.np	Method	AAT/NAP
Start	25258	End	31304
GI	6760428	Score	1547
Exons	25258..25572, 26128..26289, 26396..26914, 26972..27181, 27265..27501, 28263..28470, 28858..29312, 29691..30117, 30497..30577, 30677..30867, 30961..31132, 31249..31304		
GI Descrip.	(AF217546) calmodulin-binding protein [Arabidopsis thaliana] gi|6760430|gb|AAF28348.1| (AF217547) calmodulin-binding protein [Arabidopsis thaliana]		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	7036	End	7459
GI	none	Score	50
Exons	7036..7083, 7082..7150, 7162..7452, 7163..7459, 7163..7459		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o6.tw	Method	TBLASTX:Wheat
Start	7262	End	7624
GI	none	Score	213
Exons	7262..7624, 7343..7573		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	7864	End	8217
GI	none	Score	369
Exons	7864..8217, 7865..8212		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o7.tm	Method	TBLASTX:Maize
Start	7922	End	8224
GI	none	Score	208
Exons	7922..8224		
Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o3.tc	Method	TBLASTX:Cress
Start	8688	End	9135
GI	none	Score	77
Exons	8688..8798, 8830..9135		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o6.tm	Method	TBLASTX:Maize
Start	8697	End	9126
GI	none	Score	67
Exons	8697..8786, 8827..9126		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o4.tw	Method	TBLASTX:Wheat
Start	8811	End	9134
GI	none	Score	233
Exons	8811..9134, 8827..9129		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o4.ts	Method	TBLASTX:Soybean
Start	8830	End	9123
GI	none	Score	195
Exons	8830..9123		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o3.ts	Method	TBLASTX:Soybean
Start	9672	End	10223
GI	5509260	Score	195
Exons	9672..10019, 9845..10000, 10064..10213, 10068..10223		
GI Descrip.	-		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o9.tm	Method	TBLASTX:Maize
Start	9770	End	10022
GI	none	Score	201
Exons	9770..9994, 9771..10022		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o5.tc	Method	TBLASTX:Cress
Start	9839	End	10109
GI	none	Score	172
Exons	9839..10000, 9840..10016, 10024..10068, 10056..10109		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o5.tw	Method	TBLASTX:Wheat
Start	9887	End	10412
GI	none	Score	111
Exons	9887..9991, 9888..10025, 10067..10114, 10068..10232, 10299..10412		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o5.tm	Method	TBLASTX:Maize
Start	10068	End	10439
GI	none	Score	244
Exons	10068..10334, 10350..10439		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o2.tc	Method	TBLASTX:Cress
Start	16836	End	23678
GI	none	Score	54
Exons	16836..16940, 16844..17065, 16995..17060, 23630..23677, 23634..23678		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	16836	End	24107
GI	none	Score	54
Exons	16836..16937, 16844..17065, 16989..17063, 23627..23677, 23628..23678, 23738..23938, 23859..23939, 24033..24107, 24037..24096		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o2.gp	Method	AAT/GAP
Start	23210	End	23315
GI	5816518	Score	151
Exons	23210..23315		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o3.gp	Method	AAT/GAP
Start	23324	End	23548
GI	3761181	Score	360
Exons	23324..23548		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o5.gs	Method	GENSCAN
Start	23474	End	24233
GI	none	Score	.43
Exons	23474..23942, 24097..24233		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12

Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	23627	End	24087
GI	none	Score	79
Exons	23627..23677, 23628..23678, 23738..23935, 23783..23932, 23859..23936, 23878..23940, 24033..24086, 24040..24087		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17854	Strand	-
Start	23474	End	24233
Name	OJ990721_03.9C10.C12.o4.tc	Method	TBLASTX:Cress
Start	23747	End	23939
GI	none	Score	80
Exons	23747..23803, 23849..23938, 23859..23939		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	27273	End	30864
GI	none	Score	157
Exons	27273..27449, 27315..27500, 27316..27504, 27316..27504, 28266..28472, 28272..28472, 28329..28469, 28938..29024, 29690..30049, 29696..30052, 29697..30053, 29703..30071, 30054..30119, 30063..30119, 30080..30142, 30478..30579, 30478..30585, 30676..30864, 30676..30864		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	27303	End	30056
GI	none	Score	144
Exons	27303..27497, 27316..27504, 29780..30052, 29781..30056		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	27316	End	30864
GI	none	Score	157
Exons	27316..27504, 27316..27504, 27318..27500, 27318..27449, 28272..28472, 28286..28471, 28329..28469, 28938..29024, 29696..30052, 29697..30053, 29703..30071, 29720..30040, 30051..30119, 30054..30119, 30478..30579, 30478..30585, 30516..30578, 30676..30864, 30676..30864, 30676..30780		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	27316	End	30062
GI	none	Score	157
Exons	27316..27504, 27318..27449, 29760..30062, 29762..30040		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12

Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o8.tm	Method	TBLASTX:Maize
Start	28272	End	30864
GI	none	Score	177
Exons	28272..28472, 28286..28471, 28329..28469, 28938..29039, 29697..29780, 30478..30579, 30478..30585, 30676..30864, 30676..30864		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17855	Strand	
Start	27273	End	30864
Name	OJ990721_03.9C10.C12.o7.tw	Method	TBLASTX:Wheat
Start	28344	End	30864
GI	none	Score	124
Exons	28344..28472, 28346..28471, 28935..29039, 29697..29759, 30478..30579, 30516..30578, 30676..30864		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17856	Strand	
Start	32914	End	34137
Name	OJ990721_03.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	32914	End	34071
GI	none	Score	141
Exons	32914..33036, 33496..33570, 33847..34002, 33847..34008, 33849..34004, 34009..34071		

Seq. No.	8364	Seq. ID	OJ990721_03.9C10.C12
Gene No.	17856	Strand	
Start	32914	End	34137
Name	OJ990721_03.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	32926	End	34137
GI	none	Score	73
Exons	32926..33042, 33082..33180, 33085..33192, 33434..33628, 33441..33698, 33442..33699, 33478..33702, 33874..33987, 34021..34137		

Seq. No.	8365	Seq. ID	OJ990721_03.9C10.C13
Gene No.	17857	Strand	+
Start	1	End	541
Name	OJ990721_03.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	541
GI	5091513	Score	847
Exons	1..541		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8365	Seq. ID	OJ990721_03.9C10.C13
Gene No.	17857	Strand	+
Start	1	End	541
Name	OJ990721_03.9C10.C13.o1.gs	Method	GENSCAN
Start	47	End	523
GI	none	Score	.45
Exons	47..523		

Seq. No.	8366	Seq. ID	OJ990721_03.9C10.C14
Gene No.	17858	Strand	+
Start	127	End	269

Name	OJ990721_03.9C10.C14.o1.gs	Method	GENSCAN
Start	127	End	269
GI	none	Score	.74
Exons	127..269		

Seq. No.	8367	Seq. ID	OJ990721_03.9C10.C15
Gene No.	17859	Strand	+
Start	682	End	789
Name	OJ990721_03.9C10.C15.o1.gs	Method	GENSCAN
Start	682	End	789
GI	none	Score	.66
Exons	682..789		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17860	Strand	+
Start	1860	End	6366
Name	OJ990721_03.9C10.C16.o1.gs	Method	GENSCAN
Start	1860	End	6366
GI	none	Score	.81
Exons	1860..2021, 2219..2429, 2509..2876, 3063..3861, 4138..4257, 4349..4548, 5153..5293, 6298..6366		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17860	Strand	+
Start	1860	End	6366
Name	OJ990721_03.9C10.C16.o1.np	Method	AAT/NAP
Start	2219	End	4822
GI	6815107	Score	1967
Exons	2219..2429, 2509..3512, 3630..3843, 4078..4275, 4355..4548, 4641..4822		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17861	Strand	+
Start	7881	End	12293
Name	OJ990721_03.9C10.C16.o2.gs	Method	GENSCAN
Start	7881	End	12293
GI	none	Score	.68
Exons	7881..7963, 8196..8308, 8829..8905, 9502..9582, 9721..9795, 10778..10919, 11265..11358, 12221..12293		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17862	Strand	+
Start	14971	End	17666
Name	OJ990721_03.9C10.C16.o3.gs	Method	GENSCAN
Start	14971	End	17666
GI	none	Score	.53
Exons	14971..15005, 15052..15160, 15315..15382, 15738..15808, 16029..16088, 16895..17072, 17564..17666		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o5.tm	Method	TBLASTX:Maize
Start	2874	End	3143
GI	none	Score	214

Exons	2874..3137, 2886..3143		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	2904	End	3245
GI	none	Score	214
Exons	2904..3245, 2965..3159		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	2991	End	3557
GI	none	Score	389
Exons	2991..3557, 3030..3194		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	3144	End	3575
GI	none	Score	352
Exons	3144..3575, 3147..3458, 3152..3547		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	3165	End	3596
GI	none	Score	273
Exons	3165..3596		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	3576	End	4021
GI	none	Score	101
Exons	3576..3710, 3605..3709, 3720..3830, 3725..3775, 3842..4021, 3843..4019		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	4029	End	4260
GI	none	Score	227
Exons	4029..4256, 4030..4260, 4030..4248, 4031..4255		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	10598	End	11437
GI	none	Score	115

Exons	10598..10690, 10606..10698, 10774..10920, 10776..10919, 10776..10958, 10778..10921, 11261..11437, 11267..11422		
Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o2.np	Method	AAT/NAP
Start	17860	End	19612
GI	3249064	Score	141
Exons	17860..17964, 19229..19482, 19517..19612		
GI Descrip.	(AC004473) Strong similarity to trehalose-6-phosphate synthase homolog gb|2245136 from A. thaliana chromosome 4 contig gb|Z97344. [Arabidopsis thaliana]		

Seq. No.	8368	Seq. ID	OJ990721_03.9C10.C16
Gene No.	17863	Strand	+
Start	17860	End	19612
Name	OJ990721_03.9C10.C16.o4.gs	Method	GENSCAN
Start	18567	End	19024
GI	none	Score	.68
Exons	18567..18605, 18692..19024		

Seq. No.	8369	Seq. ID	OJ990721_03.9C10.C17
Gene No.	17864	Strand	-
Start	1	End	526
Name	OJ990721_03.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	526
GI	5091513	Score	629
Exons	1..526		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8369	Seq. ID	OJ990721_03.9C10.C17
Gene No.	17864	Strand	-
Start	1	End	526
Name	OJ990721_03.9C10.C17.o1.gs	Method	GENSCAN
Start	89	End	315
GI	none	Score	.56
Exons	89..315		

Seq. No.	8370	Seq. ID	OJ990721_03.9C10.C18
Gene No.	17865	Strand	+
Start	151	End	282
Name	OJ990721_03.9C10.C18.o1.gs	Method	GENSCAN
Start	151	End	282
GI	none	Score	.65
Exons	151..282		

Seq. No.	8371	Seq. ID	OJ990421_05.9C03.C2
Gene No.	17866	Strand	-
Start	1489	End	1762
Name	OJ990421_05.9C03.C2.o1.gs	Method	GENSCAN
Start	1489	End	1762
GI	none	Score	.63
Exons	1489..1548, 1703..1762		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17867	Strand	+

Start	1	End	9640
Name	OJ990421_05.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	9622
GI	4204275	Score	748
Exons	1..69, 410..507, 2073..2259, 2341..2488, 2592..2660, 3315..3401, 3489..3645, 3952..4465, 5402..5628, 6044..6193, 6247..6365, 6620..6782, 7466..7664, 7747..7954, 8063..8212, 8309..8435, 8658..8975, 9069..9269, 9321..9622		
GI Descrip.	(AC004146) Unknown protein [Arabidopsis thaliana]		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17867	Strand	+
Start	1	End	9640
Name	OJ990421_05.9C03.C4.o1.gs	Method	GENSCAN
Start	637	End	9640
GI	none	Score	.86
Exons	637..1122, 2592..2660, 3725..3925, 4002..4448, 6079..6176, 6311..6404, 6584..6719, 7430..7737, 8048..8212, 8717..9640		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17867	Strand	+
Start	1	End	9640
Name	OJ990421_05.9C03.C4.o2.np	Method	AAT/NAP
Start	1521	End	9622
GI	4204275	Score	672
Exons	1521..1551, 2073..2259, 2341..2488, 2592..2660, 3315..3401, 3489..3645, 3952..4465, 5402..5628, 6044..6193, 6247..6365, 6620..6782, 7466..7664, 7747..7954, 8063..8212, 8309..8435, 8658..8975, 9069..9269, 9321..9622		
GI Descrip.	(AC004146) Unknown protein [Arabidopsis thaliana]		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17868	Strand	+
Start	9786	End	10238
Name	OJ990421_05.9C03.C4.o2.gp	Method	AAT/GAP
Start	9786	End	10238
GI	4715244	Score	770
Exons	9786..10238		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17869	Strand	-
Start	8890	End	9626
Name	OJ990421_05.9C03.C4.o1.gp	Method	AAT/GAP
Start	8890	End	9626
GI	none	Score	1397
Exons	8890..9626		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17870	Strand	-
Start	10455	End	10812
Name	OJ990421_05.9C03.C4.o2.gs	Method	GENSCAN
Start	10455	End	10812
GI	none	Score	.47
Exons	10455..10625, 10630..10812		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17871	Strand	-

Start	12632	End	12780
Name	OJ990421_05.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	2338	End	3571
GI	none	Score	117
Exons	2338..2484, 2340..2489, 2340..2483, 2341..2484, 2342..2497, 2345..2491, 2577..2660, 2591..2659, 3059..3151, 3060..3167, 3312..3404, 3312..3392, 3313..3402, 3320..3412, 3483..3569, 3488..3571		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17871	Strand	-
Start	12632	End	12780
Name	OJ990421_05.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	4324	End	7653
GI	none	Score	95
Exons	4324..4449, 4330..4458, 4331..4465, 4332..4460, 5142..5207, 6079..6174, 6083..6193, 6258..6404, 6311..6394, 6581..6727, 6586..6714, 7422..7613, 7423..7620, 7427..7615, 7612..7653		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17871	Strand	-
Start	12632	End	12780
Name	OJ990421_05.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	7656	End	8916
GI	none	Score	80
Exons	7656..7754, 7681..7755, 7682..7756, 7813..7965, 7815..7967, 7817..7963, 8042..8212, 8042..8197, 8046..8213, 8050..8217, 8292..8372, 8306..8434, 8306..8407, 8308..8436, 8586..8672, 8716..8820, 8717..8842, 8836..8916		

Seq. No.	8372	Seq. ID	OJ990421_05.9C03.C4
Gene No.	17871	Strand	-
Start	12632	End	12780
Name	OJ990421_05.9C03.C4.o3.gs	Method	GENSCAN
Start	12632	End	12780
GI	none	Score	.46
Exons	12632..12780		

Seq. No.	8373	Seq. ID	OJ990421_05.9C03.C5
Gene No.	17872	Strand	-
Start	329	End	494
Name	OJ990421_05.9C03.C5.o1.gs	Method	GENSCAN
Start	329	End	494
GI	none	Score	.71
Exons	329..494		

Seq. No.	8374	Seq. ID	OJ990421_05.9C03.C7
Gene No.	17873	Strand	+
Start	968	End	1103
Name	OJ990421_05.9C03.C7.o1.gs	Method	GENSCAN
Start	968	End	1103
GI	none	Score	.54
Exons	968..1103		

Seq. No.	8375	Seq. ID	OJ990421_05.9C03.C8
Gene No.	17874	Strand	+
Start	1	End	145

Name	OJ990421_05.9C03.C8.o1.gp	Method	AAT/GAP
Start	1	End	145
GI	none	Score	282
Exons	1..145		

Seq. No.	8376	Seq. ID	OJ990421_05.9C03.C10
Gene No.	17875	Strand	+
Start	1269	End	1348
Name	OJ990421_05.9C03.C10.o1.np	Method	AAT/NAP
Start	1269	End	1348
GI	6498434	Score	105
Exons	1269..1348		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	8376	Seq. ID	OJ990421_05.9C03.C10
Gene No.	17876	Strand	-
Start	616	End	776
Name	OJ990421_05.9C03.C10.o1.gs	Method	GENSCAN
Start	616	End	776
GI	none	Score	.43
Exons	616..776		

Seq. No.	8377	Seq. ID	OJ990421_05.9C03.C11
Gene No.	17877	Strand	+
Start	1183	End	4083
Name	OJ990421_05.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	963
GI	none	Score	41
Exons	3..80, 12..92, 19..81, 19..87, 28..111, 101..232, 118..273, 128..280, 129..269, 131..316, 132..263, 133..243, 134..262, 135..236, 135..248, 140..247, 220..249, 262..402, 282..443, 289..435, 292..438, 295..444, 311..358, 314..433, 382..444, 382..447, 502..615, 502..624, 509..595, 509..619, 509..637, 511..609, 513..557, 515..607, 557..595, 637..792, 639..767, 647..751, 648..776, 662..757, 663..755, 665..754, 678..755, 784..933, 790..963, 818..895		

Seq. No.	8377	Seq. ID	OJ990421_05.9C03.C11
Gene No.	17877	Strand	+
Start	1183	End	4083
Name	OJ990421_05.9C03.C11.o1.gs	Method	GENSCAN
Start	1183	End	3657
GI	none	Score	.68
Exons	1183..1419, 1468..1496, 1498..1618, 2280..2397, 3451..3584, 3622..3657		

Seq. No.	8377	Seq. ID	OJ990421_05.9C03.C11
Gene No.	17877	Strand	+
Start	1183	End	4083
Name	OJ990421_05.9C03.C11.o1.gp	Method	AAT/GAP
Start	2389	End	4083
GI	none	Score	523
Exons	2389..2434, 3207..3285, 3518..3584, 3973..4083		

Seq. No.	8378	Seq. ID	OJ990421_05.9C03.C12
Gene No.	17878	Strand	+
Start	804	End	2519

Name	OJ990421_05.9C03.C12.o1.np	Method	AAT/NAP
Start	804	End	2519
GI	2981614	Score	188
Exons	804..1216, 2496..2519		
GI Descrip.	(D89672) transcription factor [Ceratopteris richardii]		

Seq. No.	8378	Seq. ID	OJ990421_05.9C03.C12
Gene No.	17879	Strand	+
Start	2674	End	4475
Name	OJ990421_05.9C03.C12.o2.gs	Method	GENSCAN
Start	2674	End	4475
GI	none	Score	.93
Exons	2674..2725, 3300..3417, 3573..3789, 3951..3984, 4360..4475		

Seq. No.	8378	Seq. ID	OJ990421_05.9C03.C12
Gene No.	17880	Strand	-
Start	6427	End	10051
Name	OJ990421_05.9C03.C12.o3.gs	Method	GENSCAN
Start	6427	End	10051
GI	none	Score	.91
Exons	6427..6479, 7500..7740, 7807..8183, 9262..10051		

Seq. No.	8379	Seq. ID	OJ990421_05.9C03.C13
Gene No.	17881	Strand	-
Start	871	End	4004
Name	OJ990421_05.9C03.C13.o1.gs	Method	GENSCAN
Start	871	End	4004
GI	none	Score	.57
Exons	871..1209, 1269..1407, 1978..2068, 3851..4004		

Seq. No.	8379	Seq. ID	OJ990421_05.9C03.C13
Gene No.	17881	Strand	-
Start	871	End	4004
Name	OJ990421_05.9C03.C13.o1.gp	Method	AAT/GAP
Start	2156	End	2461
GI	72524_1.R1084	Score	417
Exons	2156..2461		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8379	Seq. ID	OJ990421_05.9C03.C13
Gene No.	17882	Strand	-
Start	4003	End	6007
Name	OJ990421_05.9C03.C13.o1.np	Method	AAT/NAP
Start	4003	End	6007
GI	5091513	Score	655
Exons	4003..4222, 4378..4530, 5231..6007		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8380	Seq. ID	OJ990421_05.9C03.C14
Gene No.	17883	Strand	+
Start	4817	End	4987
Name	OJ990421_05.9C03.C14.o2.gs	Method	GENSCAN
Start	4817	End	4987
GI	none	Score	.99
Exons	4817..4987		

Seq. No.	8380	Seq. ID	OJ990421_05.9C03.C14
Gene No.	17884	Strand	-
Start	1	End	5024
Name	OJ990421_05.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	5024
GI	5091513	Score	788
Exons	1..368, 1121..1547, 1960..2055, 4760..5024		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8380	Seq. ID	OJ990421_05.9C03.C14
Gene No.	17884	Strand	-
Start	1	End	5024
Name	OJ990421_05.9C03.C14.o1.gs	Method	GENSCAN
Start	66	End	3208
GI	none	Score	.56
Exons	66..423, 1151..1285, 2106..2290, 3182..3208		

Seq. No.	8380	Seq. ID	OJ990421_05.9C03.C14
Gene No.	17884	Strand	-
Start	1	End	5024
Name	OJ990421_05.9C03.C14.o2.gp	Method	AAT/GAP
Start	2378	End	2684
GI	72524_1.R1084	Score	418
Exons	2378..2684		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17885	Strand	+
Start	6446	End	6960
Name	OJ990421_05.9C03.C15.o1.gp	Method	AAT/GAP
Start	6446	End	6960
GI	2429_1.R1084	Score	1009
Exons	6446..6960		
GI Descrip.	'5596468/emb|CAB51406.1| 6.0e-68 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17886	Strand	-
Start	1253	End	4144
Name	OJ990421_05.9C03.C15.o1.gs	Method	GENSCAN
Start	1253	End	4144
GI	none	Score	.62
Exons	1253..1819, 1835..1952, 2122..2246, 3392..3513, 3958..4144		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17886	Strand	-
Start	1253	End	4144
Name	OJ990421_05.9C03.C15.o1.np	Method	AAT/NAP
Start	2035	End	3721
GI	4585884	Score	252
Exons	2035..2121, 3179..3513, 3589..3721		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17887	Strand	-
Start	4255	End	5793

Name	OJ990421_05.9C03.C15.o2.gs	Method	GENSCAN
Start	4255	End	5793
GI	none	Score	.44
Exons	4255..4338, 4378..4452, 4534..4617, 5137..5793		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17888	Strand	-
Start	6847	End	6960
Name	OJ990421_05.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	3212	End	3529
GI	none	Score	52
Exons	3212..3409, 3231..3362, 3425..3529, 3426..3521		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17888	Strand	-
Start	6847	End	6960
Name	OJ990421_05.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	3233	End	3484
GI	none	Score	89
Exons	3233..3484, 3236..3415, 3300..3479		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17888	Strand	-
Start	6847	End	6960
Name	OJ990421_05.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	3278	End	3706
GI	none	Score	58
Exons	3278..3409, 3428..3514, 3429..3518, 3626..3706		

Seq. No.	8381	Seq. ID	OJ990421_05.9C03.C15
Gene No.	17888	Strand	-
Start	6847	End	6960
Name	OJ990421_05.9C03.C15.o2.np	Method	AAT/NAP
Start	6847	End	6960
GI	5596468	Score	103
Exons	6847..6960		
GI Descrip.	(AL096882) putative protein [Arabidopsis thaliana]		

Seq. No.	8382	Seq. ID	OJ990421_05.9C03.C16
Gene No.	17889	Strand	+
Start	446	End	777
Name	OJ990421_05.9C03.C16.o1.gp	Method	AAT/GAP
Start	446	End	777
GI	2429_1.R1084	Score	623
Exons	446..777		
GI Descrip.	'5596468/emb|CAB51406.1| 6.0e-68 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	8383	Seq. ID	OJ990421_05.9C03.C18
Gene No.	17890	Strand	+
Start	1	End	25
Name	OJ990421_05.9C03.C18.o1.gs	Method	GENSCAN
Start	1	End	25
GI	none	Score	.94
Exons	1..25		

Seq. No.	8384	Seq. ID	OJ990421_05.9C03.C19

Gene No.	17891	Strand	-
Start	132	End	640
Name	OJ990421_05.9C03.C19.o1.gs	Method	GENSCAN
Start	132	End	640
GI	none	Score	.47
Exons	132..288, 364..640		

Seq. No.	8385	Seq. ID	OJ990421_05.9C03.C21
Gene No.	17892	Strand	-
Start	1732	End	1897
Name	OJ990421_05.9C03.C21.o1.gs	Method	GENSCAN
Start	1732	End	1897
GI	none	Score	.85
Exons	1732..1897		

Seq. No.	8386	Seq. ID	OJ990421_05.9C03.C24
Gene No.	17893	Strand	+
Start	363	End	429
Name	OJ990421_05.9C03.C24.o1.gs	Method	GENSCAN
Start	363	End	429
GI	none	Score	.91
Exons	363..429		

Seq. No.	8387	Seq. ID	OJ990421_05.9C03.C25
Gene No.	17894	Strand	+
Start	2325	End	2349
Name	OJ990421_05.9C03.C25.o1.gs	Method	GENSCAN
Start	2325	End	2349
GI	none	Score	.42
Exons	2325..2349		

Seq. No.	8388	Seq. ID	OJ990421_05.9C03.C26
Gene No.	17895	Strand	+
Start	276	End	1079
Name	OJ990421_05.9C03.C26.o1.gs	Method	GENSCAN
Start	276	End	1079
GI	none	Score	.44
Exons	276..411, 907..1079		

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.np	Method	AAT/NAP
Start	1	End	718
GI	2191129	Score	256
Exons	1..502, 543..718		
GI Descrip.	(AF007269) similar to SPF1 DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.gs	Method	GENSCAN
Start	66	End	683
GI	none	Score	.98
Exons	66..683		

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	114	End	392
GI	none	Score	242
Exons	114..338, 170..325, 330..392,	341..388	

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.tw	Method	TBLASTX:Wheat
Start	117	End	353
GI	none	Score	200
Exons	117..353, 167..301		

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	132	End	383
GI	none	Score	233
Exons	132..338, 146..301, 330..383		

Seq. No.	8389	Seq. ID	OJ990421_05.9C03.C27
Gene No.	17896	Strand	+
Start	1	End	718
Name	OJ990421_05.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	170	End	358
GI	none	Score	195
Exons	170..358, 171..350		

Seq. No.	8390	Seq. ID	OJ990421_05.9C03.C28
Gene No.	17897	Strand	+
Start	4085	End	4166
Name	OJ990421_05.9C03.C28.o1.np	Method	AAT/NAP
Start	4085	End	4166
GI	6630699	Score	75
Exons	4085..4166		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8390	Seq. ID	OJ990421_05.9C03.C28
Gene No.	17898	Strand	+
Start	4276	End	4701
Name	OJ990421_05.9C03.C28.o2.np	Method	AAT/NAP
Start	4276	End	4701
GI	6539570	Score	225
Exons	4276..4476, 4636..4701		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8390	Seq. ID	OJ990421_05.9C03.C28
Gene No.	17899	Strand	-
Start	2540	End	5416
Name	OJ990421_05.9C03.C28.o1.gs	Method	GENSCAN
Start	2540	End	5416

GI	none	Score	.52
Exons	2540..2613, 5046..5177, 5179..5296, 5342..5416		

Seq. No.	8391	Seq. ID	OJ990421_05.9C03.C30
Gene No.	17900	Strand	+
Start	301	End	1932
Name	OJ990421_05.9C03.C30.o1.gs	Method	GENSCAN
Start	301	End	1932
GI	none	Score	.5
Exons	301..403, 1829..1932		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17901	Strand	-
Start	2191	End	3033
Name	OJ990421_05.9C03.C31.o1.gs	Method	GENSCAN
Start	2191	End	3033
GI	none	Score	.9
Exons	2191..2304, 2653..2722, 2816..3033		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o2.gs	Method	GENSCAN
Start	3973	End	7755
GI	none	Score	.53
Exons	3973..4031, 4143..4211, 4697..4737, 4757..4925, 6501..6771, 7093..7755		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o1.np	Method	AAT/NAP
Start	5982	End	7864
GI	6539553	Score	2985
Exons	5982..7864		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o1.tw	Method	TBLASTX:Wheat
Start	6118	End	6595
GI	none	Score	135
Exons	6118..6255, 6118..6231, 6120..6254, 6259..6504, 6262..6504, 6266..6505, 6320..6505, 6520..6594, 6522..6593, 6524..6595		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o3.ts	Method	TBLASTX:Soybean
Start	6265	End	6588
GI	none	Score	88
Exons	6265..6456, 6320..6451, 6475..6588, 6482..6562		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o2.tm	Method	TBLASTX:Maize
Start	6451	End	6790
GI	none	Score	198
Exons	6451..6789, 6452..6790		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o2.ts	Method	TBLASTX:Soybean
Start	6601	End	6946
GI	none	Score	124
Exons	6601..6945, 6746..6946		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o3.tw	Method	TBLASTX:Wheat
Start	6799	End	7344
GI	none	Score	303
Exons	6799..7005, 7000..7344		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	6880	End	7345
GI	none	Score	86
Exons	6880..7344, 7054..7209, 7166..7345		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	7015	End	7479
GI	5509260	Score	50
Exons	7015..7479, 7034..7078, 7166..7375		
GI Descrip.	-		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o1.tc	Method	TBLASTX:Cress
Start	7126	End	7386
GI	none	Score	99
Exons	7126..7386, 7214..7378		

Seq. No.	8392	Seq. ID	OJ990421_05.9C03.C31
Gene No.	17902	Strand	-
Start	3973	End	7864
Name	OJ990421_05.9C03.C31.o2.tw	Method	TBLASTX:Wheat
Start	7399	End	7836
GI	none	Score	326
Exons	7399..7836, 7399..7608, 7416..7646, 7705..7836		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o1.np	Method	AAT/NAP
Start	1	End	1984
GI	6539553	Score	3376
Exons	1..1984		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	5	End	298
GI	none	Score	38
Exons	5..73, 27..65, 74..298, 89..283, 120..290		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o1.tw	Method	TBLASTX:Wheat
Start	53	End	442
GI	none	Score	104
Exons	53..232, 53..220, 85..231, 194..442, 209..442		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o3.tm	Method	TBLASTX:Maize
Start	86	End	520
GI	none	Score	75
Exons	86..520, 111..311		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o1.gs	Method	GENSCAN
Start	132	End	2413
GI	none	Score	.94
Exons	132..2000, 2178..2225, 2245..2413		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o2.ts	Method	TBLASTX:Soybean
Start	308	End	694
GI	none	Score	89
Exons	308..556, 539..694		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	721	End	1043

GI	none	Score	373
Exons	721..1023, 722..1036, 723..1022, 789..1043		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o2.tm	Method	TBLASTX:Maize
Start	1542	End	1855
GI	none	Score	243
Exons	1542..1847, 1544..1855		

Seq. No.	8393	Seq. ID	OJ990421_05.9C03.C32
Gene No.	17903	Strand	-
Start	1	End	2413
Name	OJ990421_05.9C03.C32.o2.tw	Method	TBLASTX:Wheat
Start	1604	End	1990
GI	none	Score	213
Exons	1604..1990, 1605..1979		

Seq. No.	8394	Seq. ID	OJ990421_05.9C03.C33
Gene No.	17904	Strand	+
Start	360	End	856
Name	OJ990421_05.9C03.C33.o1.gs	Method	GENSCAN
Start	360	End	856
GI	none	Score	.58
Exons	360..444, 819..856		

Seq. No.	8394	Seq. ID	OJ990421_05.9C03.C33
Gene No.	17905	Strand	-
Start	1281	End	1908
Name	OJ990421_05.9C03.C33.o2.gs	Method	GENSCAN
Start	1281	End	1908
GI	none	Score	.83
Exons	1281..1335, 1354..1456, 1512..1627, 1731..1908		

Seq. No.	8395	Seq. ID	OJ990421_05.9C03.C34
Gene No.	17906	Strand	+
Start	109	End	2849
Name	OJ990421_05.9C03.C34.o1.gs	Method	GENSCAN
Start	109	End	2849
GI	none	Score	.78
Exons	109..219, 366..405, 980..1155, 2700..2849		

Seq. No.	8396	Seq. ID	OJ990421_05.9C03.C35
Gene No.	17907	Strand	-
Start	1167	End	1607
Name	OJ990421_05.9C03.C35.o1.gp	Method	AAT/GAP
Start	1167	End	1607
GI	101781_1.R1084	Score	754
Exons	1167..1607		
GI Descrip.	'3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]'		

Seq. No.	8396	Seq. ID	OJ990421_05.9C03.C35
Gene No.	17908	Strand	-
Start	2024	End	2743
Name	OJ990421_05.9C03.C35.o2.gs	Method	GENSCAN

Start	2024	End	2743
GI	none	Score	.7
Exons	2024..2066, 2436..2527, 2687..2743		

Seq. No.	8397	Seq. ID	OJ990421_05.9C03.C36
Gene No.	17909	Strand	-
Start	1430	End	3008
Name	OJ990421_05.9C03.C36.o1.tm	Method	TBLASTX:Maize
Start	189	End	828
GI	none	Score	40
Exons	189..245, 204..242, 251..343, 259..315, 297..422, 317..457, 336..443, 347..442, 348..446, 349..459, 361..462, 363..446, 364..435, 472..603, 472..597, 487..606, 489..605, 490..600, 493..600, 494..604, 494..598, 495..605, 498..605, 498..608, 504..605, 585..623, 596..646, 628..687, 629..694, 636..698, 640..696, 675..812, 676..828, 696..797, 697..813, 703..810, 705..812, 705..809, 712..798, 714..812, 715..795, 726..797		

Seq. No.	8397	Seq. ID	OJ990421_05.9C03.C36
Gene No.	17909	Strand	-
Start	1430	End	3008
Name	OJ990421_05.9C03.C36.o1.np	Method	AAT/NAP
Start	695	End	3008
GI	6721512	Score	144
Exons	695..746, 2148..2184, 2227..2360, 2388..2504, 2962..3008		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8397	Seq. ID	OJ990421_05.9C03.C36
Gene No.	17909	Strand	-
Start	1430	End	3008
Name	OJ990421_05.9C03.C36.o1.gs	Method	GENSCAN
Start	1430	End	2503
GI	none	Score	.45
Exons	1430..1550, 2227..2339, 2388..2503		

Seq. No.	8398	Seq. ID	OJ990421_05.9C03.C37
Gene No.	17910	Strand	+
Start	360	End	926
Name	OJ990421_05.9C03.C37.o1.np	Method	AAT/NAP
Start	360	End	926
GI	6907090	Score	43
Exons	360..626, 895..926		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	8398	Seq. ID	OJ990421_05.9C03.C37
Gene No.	17911	Strand	-
Start	188	End	541
Name	OJ990421_05.9C03.C37.o1.gs	Method	GENSCAN
Start	188	End	541
GI	none	Score	.67
Exons	188..344, 472..541		

Seq. No.	8399	Seq. ID	OJ990421_05.9C03.C38
Gene No.	17912	Strand	+
Start	182	End	884
Name	OJ990421_05.9C03.C38.o1.gs	Method	GENSCAN

Start	182	End	754
GI	none	Score	.91
Exons	182..754		

Seq. No.	8399	Seq. ID	OJ990421_05.9C03.C38
Gene No.	17912	Strand	+
Start	182	End	884
Name	OJ990421_05.9C03.C38.o1.np	Method	AAT/NAP
Start	194	End	884
GI	4006904	Score	158
Exons	194..415, 823..884		
GI Descrip.	(Z99708) putative MADS-box protein [Arabidopsis thaliana]		

Seq. No.	8399	Seq. ID	OJ990421_05.9C03.C38
Gene No.	17912	Strand	+
Start	182	End	884
Name	OJ990421_05.9C03.C38.o1.ts	Method	TBLASTX:Soybean
Start	205	End	447
GI	none	Score	200
Exons	205..447, 206..430		

Seq. No.	8400	Seq. ID	OJ990421_05.9C03.C41
Gene No.	17913	Strand	-
Start	461	End	991
Name	OJ990421_05.9C03.C41.o1.gs	Method	GENSCAN
Start	461	End	991
GI	none	Score	.51
Exons	461..991		

Seq. No.	8401	Seq. ID	OJ990421_05.9C03.C44
Gene No.	17914	Strand	-
Start	1	End	621
Name	OJ990421_05.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	621
GI	5091513	Score	637
Exons	1..294, 344..621		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8401	Seq. ID	OJ990421_05.9C03.C44
Gene No.	17914	Strand	-
Start	1	End	621
Name	OJ990421_05.9C03.C44.o1.gs	Method	GENSCAN
Start	72	End	560
GI	none	Score	1
Exons	72..560		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.np	Method	AAT/NAP
Start	1	End	707
GI	6539553	Score	1126
Exons	1..707		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.tc	Method	TBLASTX:Cress
Start	1	End	174
GI	none	Score	99
Exons	1..174, 2..166		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.tm	Method	TBLASTX:Maize
Start	1	End	262
GI	none	Score	99
Exons	1..261, 2..262		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.ts	Method	TBLASTX:Soybean
Start	10	End	267
GI	5509260	Score	206
Exons	10..267		
GI Descrip.	-		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.gs	Method	GENSCAN
Start	24	End	543
GI	none	Score	.48
Exons	24..543		

Seq. No.	8402	Seq. ID	OJ990421_05.9C03.C45
Gene No.	17915	Strand	-
Start	1	End	707
Name	OJ990421_05.9C03.C45.o1.tw	Method	TBLASTX:Wheat
Start	187	End	706
GI	none	Score	375
Exons	187..702, 187..396, 204..434, 458..706, 492..701, 493..705, 497..706		

Seq. No.	8403	Seq. ID	OJ990421_05.9C03.C46
Gene No.	17916	Strand	+
Start	82	End	394
Name	OJ990421_05.9C03.C46.o1.gs	Method	GENSCAN
Start	82	End	394
GI	none	Score	.85
Exons	82..394		

Seq. No.	8404	Seq. ID	OJ990421_05.9C03.C47
Gene No.	17917	Strand	+
Start	281	End	349
Name	OJ990421_05.9C03.C47.o1.gs	Method	GENSCAN
Start	281	End	349
GI	none	Score	.74

Exons	281..349		
Seq. No.	8405	Seq. ID	OJ990601_02.9C17.C2
Gene No.	17918	Strand	-
Start	1	End	147
Name	OJ990601_02.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	147
GI	6742729	Score	191
Exons	1..147		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17919	Strand	+
Start	2991	End	4618
Name	OJ990601_02.9C17.C3.o2.np	Method	AAT/NAP
Start	2991	End	4618
GI	6539553	Score	2641
Exons	2991..4618		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17919	Strand	+
Start	2991	End	4618
Name	OJ990601_02.9C17.C3.o2.gs	Method	GENSCAN
Start	3084	End	4052
GI	none	Score	.67
Exons	3084..4052		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17920	Strand	-
Start	10	End	2839
Name	OJ990601_02.9C17.C3.o1.gs	Method	GENSCAN
Start	10	End	2839
GI	none	Score	.6
Exons	10..406, 866..960, 2587..2839		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17920	Strand	-
Start	10	End	2839
Name	OJ990601_02.9C17.C3.o1.np	Method	AAT/NAP
Start	77	End	406
GI	5852182	Score	410
Exons	77..406		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17921	Strand	
Start	2985	End	3433
Name	OJ990601_02.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	2985	End	3372
GI	none	Score	322
Exons	2985..3371, 2996..3370, 3220..3372		
Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3

Gene No.	17921	Strand	
Start	2985	End	3433
Name	OJ990601_02.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	3120	End	3433
GI	none	Score	348
Exons	3120..3428, 3130..3429, 3138..3428, 3143..3433		

Seq. No.	8406	Seq. ID	OJ990601_02.9C17.C3
Gene No.	17922	Strand	
Start	3929	End	4251
Name	OJ990601_02.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	3929	End	4251
GI	none	Score	209
Exons	3929..4093, 3936..4250, 3956..4249, 4084..4251		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17923	Strand	+
Start	1	End	2904
Name	OJ990601_02.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	2904
GI	6539553	Score	4417
Exons	1..2904		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17923	Strand	+
Start	1	End	2904
Name	OJ990601_02.9C17.C4.o1.gs	Method	GENSCAN
Start	352	End	2859
GI	none	Score	.45
Exons	352..1412, 1434..1955, 2277..2859		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17924	Strand	+
Start	6065	End	7375
Name	OJ990601_02.9C17.C4.o3.gs	Method	GENSCAN
Start	6065	End	7375
GI	none	Score	.78
Exons	6065..6248, 6343..6410, 7154..7375		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17925	Strand	+
Start	11043	End	11251
Name	OJ990601_02.9C17.C4.o2.np	Method	AAT/NAP
Start	11043	End	11251
GI	4559372	Score	125
Exons	11043..11251		
GI Descrip.	(AC006585) CONSTANS-like B-box zinc finger protein [Arabidopsis thaliana]		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17926	Strand	-
Start	3753	End	4319
Name	OJ990601_02.9C17.C4.o2.gs	Method	GENSCAN

Start	3753	End	4319
GI	none	Score	.41
Exons	3753..4319		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o5.ts	Method	TBLASTX:Soybean
Start	289	End	675
GI	none	Score	83
Exons	289..444, 427..675		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o4.tw	Method	TBLASTX:Wheat
Start	538	End	732
GI	none	Score	119
Exons	538..732, 540..731, 541..732		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	589	End	1083
GI	none	Score	227
Exons	589..897, 718..873, 901..1083		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o3.ts	Method	TBLASTX:Soybean
Start	685	End	1083
GI	none	Score	179
Exons	685..909, 700..864, 910..1083, 918..956		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	733	End	14824
GI	none	Score	883
Exons	733..1488, 742..1488, 14744..14824		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	1408	End	1872
GI	5509260	Score	365
Exons	1408..1872, 1503..1721, 1794..1853		
GI Descrip.	-		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o1.tc	Method	TBLASTX:Cress

Start	1501	End	1761
GI	none	Score	276
Exons	1501..1761, 1503..1673		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	1542	End	2007
GI	none	Score	341
Exons	1542..1724, 1543..2007, 1678..1860, 1794..1892		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	1543	End	2088
GI	none	Score	305
Exons	1543..1887, 1882..2088		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o2.ts	Method	TBLASTX:Soybean
Start	1941	End	2286
GI	none	Score	306
Exons	1941..2141, 1942..2286		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o3.tm	Method	TBLASTX:Maize
Start	2097	End	2436
GI	none	Score	298
Exons	2097..2402, 2098..2436		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	2292	End	2768
GI	none	Score	101
Exons	2292..2363, 2293..2367, 2381..2689, 2382..2768, 2383..2730		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o4.ts	Method	TBLASTX:Soybean
Start	2299	End	2640
GI	none	Score	97
Exons	2299..2418, 2325..2405, 2431..2640, 2436..2561, 2443..2619		

Seq. No.	8407	Seq. ID	OJ990601_02.9C17.C4
Gene No.	17927	Strand	-
Start	11357	End	14824
Name	OJ990601_02.9C17.C4.o1.gp	Method	AAT/GAP
Start	11357	End	11501

GI	LIB3477-003-P1-K1-E9	Score	136
Exons	11357..11410, 11453..11501		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8408	Seq. ID	OJ990601_02.9C17.C5
Gene No.	17928	Strand	+
Start	112	End	1097
Name	OJ990601_02.9C17.C5.o1.gs	Method	GENSCAN
Start	112	End	1097
GI	none	Score	.62
Exons	112..330, 472..1097		

Seq. No.	8408	Seq. ID	OJ990601_02.9C17.C5
Gene No.	17929	Strand	+
Start	1530	End	3144
Name	OJ990601_02.9C17.C5.o2.gs	Method	GENSCAN
Start	1530	End	3144
GI	none	Score	.87
Exons	1530..1568, 1646..1987, 2269..2382, 2461..2796, 2809..3144		

Seq. No.	8408	Seq. ID	OJ990601_02.9C17.C5
Gene No.	17930	Strand	-
Start	3269	End	3764
Name	OJ990601_02.9C17.C5.o1.np	Method	AAT/NAP
Start	3269	End	3764
GI	629693	Score	124
Exons	3269..3313, 3558..3764		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	8408	Seq. ID	OJ990601_02.9C17.C5
Gene No.	17930	Strand	-
Start	3269	End	3764
Name	OJ990601_02.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	3547	End	3762
GI	none	Score	40
Exons	3547..3585, 3555..3761, 3633..3740, 3637..3762		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	6276
GI	4544372	Score	1144
Exons	1..1560, 1666..2053, 2120..3175, 6240..6276		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o4.tw	Method	TBLASTX:Wheat
Start	61	End	411
GI	none	Score	74
Exons	61..411, 62..181		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o6.ts	Method	TBLASTX:Soybean
Start	61	End	228
GI	none	Score	135
Exons	61..228, 65..226		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o1.gs	Method	GENSCAN
Start	82	End	1797
GI	none	Score	.77
Exons	82..560, 828..1171, 1283..1797		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o3.ts	Method	TBLASTX:Soybean
Start	571	End	970
GI	none	Score	82
Exons	571..969, 749..970		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o3.tm	Method	TBLASTX:Maize
Start	826	End	1203
GI	none	Score	199
Exons	826..1203		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o3.tw	Method	TBLASTX:Wheat
Start	1390	End	1788
GI	none	Score	81
Exons	1390..1659, 1699..1788		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	1421	End	1833
GI	none	Score	122
Exons	1421..1675, 1423..1674, 1696..1833, 1700..1831		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o2.ts	Method	TBLASTX:Soybean
Start	1984	End	2454
GI	none	Score	86
Exons	1984..2148, 2015..2128, 2173..2454, 2342..2419		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o2.tw	Method	TBLASTX:Wheat
Start	2071	End	2469
GI	none	Score	56
Exons	2071..2154, 2134..2469, 2342..2395		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	2140	End	2601
GI	none	Score	72
Exons	2140..2601, 2141..2266, 2212..2601		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	2470	End	2874
GI	none	Score	239
Exons	2470..2814, 2470..2823, 2513..2815, 2818..2874, 2828..2869		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	2602	End	2820
GI	none	Score	205
Exons	2602..2820, 2603..2815		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o2.gs	Method	GENSCAN
Start	2620	End	6805
GI	none	Score	.54
Exons	2620..3089, 3466..3578, 3858..5284, 5303..5485, 5732..5916, 6035..6124, 6400..6805		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o4.ts	Method	TBLASTX:Soybean
Start	2671	End	3036
GI	none	Score	79
Exons	2671..2805, 2812..3036, 2813..3025		

Seq. No.	8409	Seq. ID	OJ990601_02.9C17.C6
Gene No.	17931	Strand	-
Start	1	End	6805
Name	OJ990601_02.9C17.C6.o5.ts	Method	TBLASTX:Soybean
Start	3347	End	3685
GI	none	Score	199
Exons	3347..3685		

Seq. No.	8410	Seq. ID	OJ990601_02.9C17.C7
Gene No.	17932	Strand	+
Start	1	End	1362
Name	OJ990601_02.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	4680186	Score	333
Exons	1..35, 257..311, 1145..1362		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8410	Seq. ID	OJ990601_02.9C17.C7
Gene No.	17932	Strand	+
Start	1	End	1362
Name	OJ990601_02.9C17.C7.o1.gs	Method	GENSCAN
Start	891	End	1217
GI	none	Score	.64
Exons	891..1048, 1145..1217		

Seq. No.	8410	Seq. ID	OJ990601_02.9C17.C7
Gene No.	17933	Strand	-
Start	902	End	1295
Name	OJ990601_02.9C17.C7.o1.gp	Method	AAT/GAP
Start	902	End	1295
GI	uC-osflcyp033a04b1	Score	559
Exons	902..1295		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8411	Seq. ID	OJ990601_02.9C17.C8
Gene No.	17934	Strand	+
Start	177	End	575
Name	OJ990601_02.9C17.C8.o1.gp	Method	AAT/GAP
Start	177	End	575
GI	uC-osflcyp033a04b1	Score	628
Exons	177..575		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8411	Seq. ID	OJ990601_02.9C17.C8
Gene No.	17935	Strand	-
Start	110	End	595
Name	OJ990601_02.9C17.C8.o1.np	Method	AAT/NAP
Start	110	End	595
GI	4680186	Score	303
Exons	110..352, 479..595		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17936	Strand	+
Start	385	End	603
Name	OJ990601_02.9C17.C9.o1.gs	Method	GENSCAN
Start	385	End	603
GI	none	Score	.94
Exons	385..438, 478..603		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17937	Strand	+
Start	2852	End	2995

Name	OJ990601_02.9C17.C9.o1.gp	Method	AAT/GAP
Start	2852	End	2995
GI	21474_1.R1084	Score	244
Exons	2852..2995		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17938	Strand	-
Start	1477	End	6506
Name	OJ990601_02.9C17.C9.o2.gs	Method	GENSCAN
Start	1477	End	6494
GI	none	Score	.75
Exons	1477..1651, 3402..3538, 3618..3716, 3808..3880, 3965..4075, 4170..4343, 4451..5136, 5138..5280, 5406..5547, 5643..5762, 5808..6087, 6331..6494		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17938	Strand	-
Start	1477	End	6506
Name	OJ990601_02.9C17.C9.o1.np	Method	AAT/NAP
Start	3366	End	6506
GI	4680204	Score	812
Exons	3366..3508, 3856..4075, 4170..4343, 4451..5547, 5643..6506		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17938	Strand	-
Start	1477	End	6506
Name	OJ990601_02.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	5335	End	6032
GI	none	Score	54
Exons	5335..5553, 5480..5554, 5637..5711, 5952..6032		

Seq. No.	8412	Seq. ID	OJ990601_02.9C17.C9
Gene No.	17938	Strand	-
Start	1477	End	6506
Name	OJ990601_02.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	6033	End	6436
GI	none	Score	43
Exons	6033..6128, 6034..6108, 6166..6333, 6198..6434, 6240..6434, 6296..6436		

Seq. No.	8413	Seq. ID	OJ990601_02.9C17.C10
Gene No.	17939	Strand	-
Start	630	End	853
Name	OJ990601_02.9C17.C10.o1.gs	Method	GENSCAN
Start	630	End	853
GI	none	Score	.74
Exons	630..670, 793..853		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17940	Strand	+
Start	6	End	450
Name	OJ990601_02.9C17.C11.o1.gp	Method	AAT/GAP
Start	6	End	450
GI	LIB3431-028-P1-N1-A10	Score	766

Exons	6..76, 104..450		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o1.gs	Method	GENSCAN
Start	69	End	1791
GI	none	Score	.58
Exons	69..465, 495..849, 1509..1791		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	145	End	1456
GI	none	Score	131
Exons	145..207, 186..239, 225..290, 319..459, 336..458, 406..501, 438..497, 501..548, 504..545, 509..550, 541..975, 572..979, 573..977, 1012..1455, 1013..1456		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o1.np	Method	AAT/NAP
Start	627	End	1882
GI	6742729	Score	1779
Exons	627..1882		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	725	End	1168
GI	none	Score	110
Exons	725..964, 725..979, 729..977, 1012..1158, 1012..1164, 1013..1168, 1013..1168		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	1099	End	1413
GI	none	Score	68
Exons	1099..1329, 1099..1413, 1127..1402		

Seq. No.	8414	Seq. ID	OJ990601_02.9C17.C11
Gene No.	17941	Strand	-
Start	69	End	1882
Name	OJ990601_02.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1457	End	1869
GI	none	Score	59
Exons	1457..1522, 1459..1542, 1576..1716, 1616..1717, 1722..1772, 1723..1770, 1754..1792, 1818..1865, 1819..1869		

Seq. No.	8415	Seq. ID	OJ990601_02.9C17.C12
Gene No.	17942	Strand	
Start	393	End	760
Name	OJ990601_02.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	393	End	595
GI	none	Score	59
Exons	393..578, 395..595		

Seq. No.	8415	Seq. ID	OJ990601_02.9C17.C12
Gene No.	17942	Strand	
Start	393	End	760
Name	OJ990601_02.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	428	End	760
GI	none	Score	87
Exons	428..760, 429..578, 434..715		

Seq. No.	8416	Seq. ID	OJ990601_02.9C17.C13
Gene No.	17943	Strand	-
Start	1	End	1073
Name	OJ990601_02.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	1073
GI	3513745	Score	432
Exons	1..1073		
GI Descrip.	(AF080118) contains similarity to reverse trancriptase (Pfam: rvt.hmm, score: 42.57) [Arabidopsis thaliana]		

Seq. No.	8416	Seq. ID	OJ990601_02.9C17.C13
Gene No.	17943	Strand	-
Start	1	End	1073
Name	OJ990601_02.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	42	End	1012
GI	none	Score	101
Exons	42..323, 155..1012, 390..527, 403..528, 609..989		

Seq. No.	8416	Seq. ID	OJ990601_02.9C17.C13
Gene No.	17943	Strand	-
Start	1	End	1073
Name	OJ990601_02.9C17.C13.o2.tw	Method	TBLASTX:Wheat
Start	302	End	646
GI	none	Score	47
Exons	302..382, 374..526, 390..527, 531..644, 536..646		

Seq. No.	8416	Seq. ID	OJ990601_02.9C17.C13
Gene No.	17943	Strand	-
Start	1	End	1073
Name	OJ990601_02.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	647	End	958
GI	none	Score	188
Exons	647..682, 683..958, 687..926, 751..927		

Seq. No.	8417	Seq. ID	OJ990601_02.9C17.C14
Gene No.	17944	Strand	+
Start	144	End	606
Name	OJ990601_02.9C17.C14.o1.gs	Method	GENSCAN
Start	144	End	606
GI	none	Score	.67
Exons	144..195, 536..606		

Seq. No.	8417	Seq. ID	OJ990601_02.9C17.C14
Gene No.	17945	Strand	-
Start	3323	End	5384
Name	OJ990601_02.9C17.C14.o2.gs	Method	GENSCAN
Start	3323	End	5384
GI	none	Score	.51
Exons	3323..3382, 5042..5146, 5292..5384		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	2147
GI	4544450	Score	746
Exons	1..1177, 2075..2147		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	1201
GI	none	Score	84
Exons	2..157, 17..121, 28..156, 29..157, 86..214, 89..250, 116..202, 121..240, 179..355, 185..355, 185..1201, 344..604, 481..924, 488..685		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o2.ts	Method	TBLASTX:Soybean
Start	2	End	664
GI	none	Score	128
Exons	2..175, 43..189, 44..250, 44..193, 127..294, 137..385, 494..601, 542..664		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o1.tc	Method	TBLASTX:Cress
Start	11	End	874
GI	none	Score	97
Exons	11..172, 17..166, 19..207, 20..265, 65..190, 89..352, 167..343, 182..424, 188..649, 239..343, 362..682, 437..640, 488..610, 533..724, 776..874		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	95	End	796
GI	none	Score	70
Exons	95..265, 170..343, 343..627, 365..796, 494..793, 673..795		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+

Start	1	End	2147
Name	OJ990601_02.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	731	End	1189
GI	none	Score	305
Exons	731..1189		

Seq. No.	8418	Seq. ID	OJ990601_02.9C17.C16
Gene No.	17946	Strand	+
Start	1	End	2147
Name	OJ990601_02.9C17.C16.o2.tc	Method	TBLASTX:Cress
Start	884	End	1195
GI	none	Score	176
Exons	884..1195		

Seq. No.	8419	Seq. ID	OJ990601_02.9C17.C17
Gene No.	17947	Strand	-
Start	1072	End	1174
Name	OJ990601_02.9C17.C17.o1.gs	Method	GENSCAN
Start	1072	End	1174
GI	none	Score	.72
Exons	1072..1174		

Seq. No.	8420	Seq. ID	OJ990601_02.9C17.C18
Gene No.	17948	Strand	+
Start	1295	End	2579
Name	OJ990601_02.9C17.C18.o1.gs	Method	GENSCAN
Start	1295	End	2579
GI	none	Score	.84
Exons	1295..1321, 1409..1458, 2125..2299, 2454..2579		

Seq. No.	8421	Seq. ID	OJ990601_02.9C17.C20
Gene No.	17949	Strand	-
Start	1	End	533
Name	OJ990601_02.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	533
GI	4680203	Score	246
Exons	1..533		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8421	Seq. ID	OJ990601_02.9C17.C20
Gene No.	17949	Strand	-
Start	1	End	533
Name	OJ990601_02.9C17.C20.o1.gs	Method	GENSCAN
Start	8	End	445
GI	none	Score	.9
Exons	8..445		

Seq. No.	8422	Seq. ID	OJ990601_02.9C17.C21
Gene No.	17950	Strand	+
Start	726	End	1294
Name	OJ990601_02.9C17.C21.o1.gs	Method	GENSCAN
Start	726	End	1294
GI	none	Score	.48
Exons	726..878, 920..984, 1260..1294		

Seq. No.	8423	Seq. ID	OJ990601_02.9C17.C22
Gene No.	17951	Strand	+

Start	96	End	2064
Name	OJ990601_02.9C17.C22.o1.gs	Method	GENSCAN
Start	96	End	2064
GI	none	Score	.59
Exons	96..514, 2009..2064		

Seq. No.	8424	Seq. ID	OJ990601_02.9C17.C23
Gene No.	17952	Strand	+
Start	1	End	498
Name	OJ990601_02.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	498
GI	4680203	Score	648
Exons	1..498		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8424	Seq. ID	OJ990601_02.9C17.C23
Gene No.	17952	Strand	+
Start	1	End	498
Name	OJ990601_02.9C17.C23.o1.tw	Method	TBLASTX:Wheat
Start	1	End	302
GI	none	Score	48
Exons	1..66, 49..300, 57..299, 60..302		

Seq. No.	8424	Seq. ID	OJ990601_02.9C17.C23
Gene No.	17952	Strand	+
Start	1	End	498
Name	OJ990601_02.9C17.C23.o1.gs	Method	GENSCAN
Start	34	End	420
GI	none	Score	.92
Exons	34..420		

Seq. No.	8424	Seq. ID	OJ990601_02.9C17.C23
Gene No.	17952	Strand	+
Start	1	End	498
Name	OJ990601_02.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	82	End	372
GI	none	Score	223
Exons	82..300, 120..296, 307..372		

Seq. No.	8425	Seq. ID	OJ990601_02.9C17.C26
Gene No.	17953	Strand	+
Start	1	End	475
Name	OJ990601_02.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	475
GI	6539553	Score	742
Exons	1..475		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8425	Seq. ID	OJ990601_02.9C17.C26
Gene No.	17953	Strand	+
Start	1	End	475
Name	OJ990601_02.9C17.C26.o1.tw	Method	TBLASTX:Wheat
Start	2	End	339
GI	none	Score	450

Exons	2..301, 4..339, 6..338, 7..339		
Seq. No.	8425	Seq. ID	OJ990601_02.9C17.C26
Gene No.	17953	Strand	+
Start	1	End	475
Name	OJ990601_02.9C17.C26.o1.gs	Method	GENSCAN
Start	2	End	430
GI	none	Score	.96
Exons	2..430		
Seq. No.	8426	Seq. ID	OJ990601_02.9C17.C30
Gene No.	17954	Strand	+
Start	1	End	803
Name	OJ990601_02.9C17.C30.o1.np	Method	AAT/NAP
Start	1	End	803
GI	4680186	Score	267
Exons	1..75, 561..803		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	8426	Seq. ID	OJ990601_02.9C17.C30
Gene No.	17954	Strand	+
Start	1	End	803
Name	OJ990601_02.9C17.C30.o1.gs	Method	GENSCAN
Start	327	End	725
GI	none	Score	.54
Exons	327..489, 586..725		
Seq. No.	8426	Seq. ID	OJ990601_02.9C17.C30
Gene No.	17955	Strand	-
Start	338	End	736
Name	OJ990601_02.9C17.C30.o1.gp	Method	AAT/GAP
Start	338	End	736
GI	uC-osf1cyp033a04b1	Score	640
Exons	338..736		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	8427	Seq. ID	OJ990601_02.9C17.C31
Gene No.	17956	Strand	-
Start	864	End	1721
Name	OJ990601_02.9C17.C31.o1.gs	Method	GENSCAN
Start	864	End	1721
GI	none	Score	.84
Exons	864..917, 1285..1567, 1648..1721		
Seq. No.	8428	Seq. ID	OJ990601_02.9C17.C32
Gene No.	17957	Strand	-
Start	841	End	1734
Name	OJ990601_02.9C17.C32.o1.gs	Method	GENSCAN
Start	841	End	1734
GI	none	Score	.82
Exons	841..1035, 1112..1734		
Seq. No.	8429	Seq. ID	OJ990601_02.9C17.C33
Gene No.	17958	Strand	-
Start	226	End	660
Name	OJ990601_02.9C17.C33.o1.np	Method	AAT/NAP

Start	226	End	660
GI	4680185	Score	523
Exons	226..660		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8430	Seq. ID	OJ990601_02.9C17.C34
Gene No.	17959	Strand	+
Start	551	End	932
Name	OJ990601_02.9C17.C34.o1.gp	Method	AAT/GAP
Start	551	End	932
GI	uC-osflcyp033a04b1	Score	667
Exons	551..932		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8430	Seq. ID	OJ990601_02.9C17.C34
Gene No.	17960	Strand	-
Start	484	End	1816
Name	OJ990601_02.9C17.C34.o1.np	Method	AAT/NAP
Start	484	End	1816
GI	4680186	Score	336
Exons	484..684, 1749..1816		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8431	Seq. ID	OJ990601_02.9C17.C35
Gene No.	17961	Strand	+
Start	562	End	1346
Name	OJ990601_02.9C17.C35.o1.gs	Method	GENSCAN
Start	562	End	923
GI	none	Score	.76
Exons	562..663, 761..923		

Seq. No.	8431	Seq. ID	OJ990601_02.9C17.C35
Gene No.	17961	Strand	+
Start	562	End	1346
Name	OJ990601_02.9C17.C35.o2.gp	Method	AAT/GAP
Start	612	End	1346
GI	101153_1.R1084	Score	598
Exons	612..801, 1118..1346		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8431	Seq. ID	OJ990601_02.9C17.C35
Gene No.	17962	Strand	+
Start	1364	End	1791
Name	OJ990601_02.9C17.C35.o3.gp	Method	AAT/GAP
Start	1364	End	1791
GI	2428185	Score	825
Exons	1364..1791		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	8431	Seq. ID	OJ990601_02.9C17.C35
Gene No.	17963	Strand	-
Start	582	End	2533
Name	OJ990601_02.9C17.C35.o1.np	Method	AAT/NAP
Start	582	End	2533

GI	5852180	Score	286
Exons	582..951, 1960..2085, 2457..2533		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8431	Seq. ID	OJ990601_02.9C17.C35
Gene No.	17963	Strand	-
Start	582	End	2533
Name	OJ990601_02.9C17.C35.o5.gp	Method	AAT/GAP
Start	2319	End	2533
GI	61605_3.R1084	Score	388
Exons	2319..2533		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17964	Strand	+
Start	1481	End	1997
Name	OJ990601_02.9C17.C36.o1.gs	Method	GENSCAN
Start	1481	End	1997
GI	none	Score	.98
Exons	1481..1628, 1633..1997		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17965	Strand	-
Start	2887	End	4212
Name	OJ990601_02.9C17.C36.o2.gs	Method	GENSCAN
Start	2887	End	4168
GI	none	Score	.88
Exons	2887..3030, 3051..3433, 3457..4168		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17965	Strand	-
Start	2887	End	4212
Name	OJ990601_02.9C17.C36.o1.tw	Method	TBLASTX:Wheat
Start	2917	End	4015
GI	none	Score	76
Exons	2917..3021, 2930..3022, 3024..3062, 3063..3119, 3063..3104, 3099..3263, 3130..3270, 3294..3458, 3298..3435, 3506..4015, 3507..3575, 3621..3971		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17965	Strand	-
Start	2887	End	4212
Name	OJ990601_02.9C17.C36.o1.np	Method	AAT/NAP
Start	3184	End	4212
GI	6742729	Score	808
Exons	3184..4212		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17965	Strand	-
Start	2887	End	4212
Name	OJ990601_02.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	3303	End	3725
GI	none	Score	63
Exons	3303..3458, 3307..3435, 3506..3724, 3507..3575, 3621..3725		

Seq. No.	8432	Seq. ID	OJ990601_02.9C17.C36
Gene No.	17965	Strand	-
Start	2887	End	4212
Name	OJ990601_02.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	3659	End	4039
GI	none	Score	90
Exons	3659..3973, 3678..3932, 3986..4039		

Seq. No.	8433	Seq. ID	OJ990601_02.9C17.C37
Gene No.	17966	Strand	+
Start	71	End	170
Name	OJ990601_02.9C17.C37.o1.gs	Method	GENSCAN
Start	71	End	170
GI	none	Score	.98
Exons	71..170		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o1.np	Method	AAT/NAP
Start	1	End	639
GI	4544372	Score	489
Exons	1..639		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o1.tw	Method	TBLASTX:Wheat
Start	1	End	399
GI	none	Score	76
Exons	1..51, 3..41, 46..399, 54..356, 55..399		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o2.tm	Method	TBLASTX:Maize
Start	49	End	267
GI	none	Score	257
Exons	49..267, 54..266		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o1.tm	Method	TBLASTX:Maize
Start	268	End	636
GI	none	Score	396
Exons	268..636, 268..570, 417..611		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o1.gs	Method	GENSCAN
Start	283	End	555
GI	none	Score	.62
Exons	283..555		

Seq. No.	8434	Seq. ID	OJ990601_02.9C17.C39
Gene No.	17967	Strand	+
Start	1	End	639
Name	OJ990601_02.9C17.C39.o1.ts	Method	TBLASTX:Soybean
Start	343	End	573
GI	none	Score	206
Exons	343..573, 435..539		

Seq. No.	8435	Seq. ID	OJ990601_02.9C17.C40
Gene No.	17968	Strand	-
Start	1	End	463
Name	OJ990601_02.9C17.C40.o1.np	Method	AAT/NAP
Start	1	End	463
GI	4544372	Score	326
Exons	1..463		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8435	Seq. ID	OJ990601_02.9C17.C40
Gene No.	17968	Strand	-
Start	1	End	463
Name	OJ990601_02.9C17.C40.o1.tw	Method	TBLASTX:Wheat
Start	6	End	410
GI	none	Score	238
Exons	6..350, 6..359, 7..351, 354..410, 364..405		

Seq. No.	8435	Seq. ID	OJ990601_02.9C17.C40
Gene No.	17968	Strand	-
Start	1	End	463
Name	OJ990601_02.9C17.C40.o1.tm	Method	TBLASTX:Maize
Start	91	End	356
GI	none	Score	268
Exons	91..351, 91..351, 93..356		

Seq. No.	8435	Seq. ID	OJ990601_02.9C17.C40
Gene No.	17968	Strand	-
Start	1	End	463
Name	OJ990601_02.9C17.C40.o1.gs	Method	GENSCAN
Start	156	End	383
GI	none	Score	.45
Exons	156..383		

Seq. No.	8436	Seq. ID	OJ990601_02.9C17.C41
Gene No.	17969	Strand	+
Start	239	End	387
Name	OJ990601_02.9C17.C41.o1.gp	Method	AAT/GAP
Start	239	End	387
GI	21474_1.R1084	Score	245
Exons	239..387		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8437	Seq. ID	OJ990601_02.9C17.C42
Gene No.	17970	Strand	-
Start	1	End	1038
Name	OJ990601_02.9C17.C42.o1.np	Method	AAT/NAP

Start	1	End	1038
GI	3805845	Score	94
Exons	1..85, 416..536, 949..1038		
GI Descrip.	(AL031986) putative protein [Arabidopsis thaliana]		

Seq. No.	8437	Seq. ID	OJ990601_02.9C17.C42
Gene No.	17970	Strand	-
Start	1	End	1038
Name	OJ990601_02.9C17.C42.o1.gs	Method	GENSCAN
Start	80	End	530
GI	none	Score	.57
Exons	80..188, 423..530		

Seq. No.	8438	Seq. ID	OJ990601_02.9C17.C43
Gene No.	17971	Strand	+
Start	1	End	269
Name	OJ990601_02.9C17.C43.o1.np	Method	AAT/NAP
Start	1	End	269
GI	6539553	Score	379
Exons	1..269		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8439	Seq. ID	OJ990601_02.9C17.C46
Gene No.	17972	Strand	-
Start	115	End	685
Name	OJ990601_02.9C17.C46.o1.ts	Method	TBLASTX:Soybean
Start	68	End	340
GI	none	Score	95
Exons	68..340, 69..275		

Seq. No.	8439	Seq. ID	OJ990601_02.9C17.C46
Gene No.	17972	Strand	-
Start	115	End	685
Name	OJ990601_02.9C17.C46.o1.tm	Method	TBLASTX:Maize
Start	113	End	490
GI	none	Score	199
Exons	113..490		

Seq. No.	8439	Seq. ID	OJ990601_02.9C17.C46
Gene No.	17972	Strand	-
Start	115	End	685
Name	OJ990601_02.9C17.C46.o1.gs	Method	GENSCAN
Start	115	End	685
GI	none	Score	.5
Exons	115..458, 570..685		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.np	Method	AAT/NAP
Start	1	End	3276
GI	3805845	Score	1103
Exons	1..626, 1134..1271, 2477..2683, 3094..3276		
GI Descrip.	(AL031986) putative protein [Arabidopsis thaliana]		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.tc	Method	TBLASTX:Cress
Start	3	End	3207
GI	none	Score	86
Exons	3..89, 91..249, 267..461, 268..462, 462..503, 524..631, 525..647, 1119..1250, 1121..1246, 2488..2688, 2492..2689, 2510..2695, 3108..3182, 3109..3207, 3112..3204		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.ts	Method	TBLASTX:Soybean
Start	3	End	2596
GI	none	Score	60
Exons	3..83, 88..249, 267..461, 268..471, 462..515, 512..613, 513..602, 1131..1214, 2492..2551, 2552..2596		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.gs	Method	GENSCAN
Start	98	End	3231
GI	none	Score	.57
Exons	98..482, 488..626, 2489..2683, 3094..3231		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.tw	Method	TBLASTX:Wheat
Start	237	End	593
GI	none	Score	235
Exons	237..470, 238..471, 512..592, 513..593		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o1.tm	Method	TBLASTX:Maize
Start	267	End	3225
GI	none	Score	220
Exons	267..470, 268..471, 462..515, 512..601, 513..602, 1131..1214, 2492..2545, 2497..2535, 2557..2673, 2558..2683, 3076..3225, 3094..3195		

Seq. No.	8440	Seq. ID	OJ990601_02.9C17.C48
Gene No.	17973	Strand	+
Start	1	End	3276
Name	OJ990601_02.9C17.C48.o2.ts	Method	TBLASTX:Soybean
Start	2596	End	3214
GI	none	Score	134
Exons	2596..2679, 2597..2680, 3108..3197, 3108..3185, 3109..3213, 3110..3214		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17974	Strand	+

Start	1	End	3368
Name	OJ990601_02.9C17.C49.o1.np	Method	AAT/NAP
Start	1	End	2701
GI	5442428	Score	955
Exons	1..45, 194..341, 694..842, 990..1154, 1409..1606, 2411..2701		
GI Descrip.	(AF159139) phospholipase D [Gossypium hirsutum]		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17974	Strand	+
Start	1	End	3368
Name	OJ990601_02.9C17.C49.o1.gs	Method	GENSCAN
Start	77	End	3368
GI	none	Score	.56
Exons	77..130, 194..341, 694..842, 990..1154, 2411..2606, 3271..3368		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o1.tc	Method	TBLASTX:Cress
Start	142	End	2698
GI	none	Score	202
Exons	142..342, 143..343, 671..841, 689..841, 693..842, 1062..1163, 1412..1606, 1420..1602, 2408..2698, 2416..2670		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o1.tm	Method	TBLASTX:Maize
Start	211	End	2707
GI	none	Score	158
Exons	211..354, 224..355, 680..844, 681..845, 981..1049, 989..1048, 1059..1103, 1061..1102, 1414..1563, 1415..1606, 1415..1606, 1420..1611, 2408..2707, 2410..2703		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o1.ts	Method	TBLASTX:Soybean
Start	211	End	2707
GI	none	Score	158
Exons	211..354, 224..355, 680..844, 681..845, 981..1049, 989..1048, 1059..1103, 1061..1102, 1414..1563, 1415..1606, 1415..1606, 1420..1611, 2408..2707, 2410..2703		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o2.tw	Method	TBLASTX:Wheat
Start	1414	End	1549
GI	none	Score	67
Exons	1414..1542, 1418..1549, 1420..1548		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o1.tw	Method	TBLASTX:Wheat
Start	1550	End	2700

GI	none	Score	69
Exons	1550..1606, 2408..2698, 2408..2530, 2410..2700		

Seq. No.	8441	Seq. ID	OJ990601_02.9C17.C49
Gene No.	17975	Strand	-
Start	4354	End	4560
Name	OJ990601_02.9C17.C49.o2.gs	Method	GENSCAN
Start	4354	End	4560
GI	none	Score	.6
Exons	4354..4560		

Seq. No.	8442	Seq. ID	OJ990601_02.9C17.C50
Gene No.	17976	Strand	-
Start	544	End	4757
Name	OJ990601_02.9C17.C50.o1.tm	Method	TBLASTX:Maize
Start	527	End	2552
GI	none	Score	64
Exons	527..571, 529..570, 664..735, 666..734, 799..888, 803..889, 1499..1576, 1501..1578, 1501..1572, 1641..1730, 1646..1732, 1651..1734, 2502..2552		

Seq. No.	8442	Seq. ID	OJ990601_02.9C17.C50
Gene No.	17976	Strand	-
Start	544	End	4757
Name	OJ990601_02.9C17.C50.o1.np	Method	AAT/NAP
Start	544	End	3651
GI	1654034	Score	219
Exons	544..568, 664..729, 803..885, 1507..1563, 1662..1730, 2502..2555, 2631..2711, 3427..3492, 3598..3651		
GI Descrip.	(Z81360) hypothetical protein Rv1732c [Mycobacterium tuberculosis]		

Seq. No.	8442	Seq. ID	OJ990601_02.9C17.C50
Gene No.	17976	Strand	-
Start	544	End	4757
Name	OJ990601_02.9C17.C50.o1.gs	Method	GENSCAN
Start	803	End	4757
GI	none	Score	.84
Exons	803..885, 1501..1563, 3427..3492, 3661..3988, 4250..4372, 4377..4539, 4634..4757		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o1.gs	Method	GENSCAN
Start	657	End	804
GI	none	Score	.56
Exons	657..804		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o3.tm	Method	TBLASTX:Maize
Start	660	End	2313
GI	none	Score	37
Exons	660..761, 682..774, 757..945, 765..953, 2260..2313		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o1.tw	Method	TBLASTX:Wheat
Start	1032	End	1406
GI	none	Score	91
Exons	1032..1406, 1033..1182, 1038..1379		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1596
GI	none	Score	66
Exons	1125..1211, 1129..1176, 1131..1211, 1224..1595, 1227..1295, 1408..1596		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o2.tw	Method	TBLASTX:Wheat
Start	1494	End	2044
GI	none	Score	111
Exons	1494..1610, 1638..1676, 1683..1880, 1895..2044		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o1.ts	Method	TBLASTX:Soybean
Start	1668	End	2194
GI	none	Score	102
Exons	1668..1829, 1875..2063, 1901..2194		

Seq. No.	8443	Seq. ID	OJ990601_02.9C17.C51
Gene No.	17977	Strand	-
Start	657	End	2313
Name	OJ990601_02.9C17.C51.o2.tm	Method	TBLASTX:Maize
Start	1797	End	2105
GI	none	Score	185
Exons	1797..1883, 1848..2105, 1881..1985, 1895..2104		

Seq. No.	8444	Seq. ID	OJ990601_02.9C17.C52
Gene No.	17978	Strand	+
Start	126	End	163
Name	OJ990601_02.9C17.C52.o1.gs	Method	GENSCAN
Start	126	End	163
GI	none	Score	.58
Exons	126..163		

Seq. No.	8444	Seq. ID	OJ990601_02.9C17.C52
Gene No.	17979	Strand	-
Start	598	End	985
Name	OJ990601_02.9C17.C52.o2.gs	Method	GENSCAN
Start	598	End	985
GI	none	Score	.94
Exons	598..722, 853..985		

Seq. No.	8445	Seq. ID	OJ990601_02.9C17.C54
Gene No.	17980	Strand	+
Start	311	End	434
Name	OJ990601_02.9C17.C54.o1.gs	Method	GENSCAN
Start	311	End	434
GI	none	Score	.91
Exons	311..434		

Seq. No.	8445	Seq. ID	OJ990601_02.9C17.C54
Gene No.	17981	Strand	+
Start	378	End	492
Name	OJ990601_02.9C17.C54.o1.gp	Method	AAT/GAP
Start	378	End	492
GI	2310235	Score	184
Exons	378..492		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8446	Seq. ID	OJ990401_08.9C10.C1
Gene No.	17982	Strand	+
Start	1	End	480
Name	OJ990401_08.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	480
GI	4680179	Score	323
Exons	1..480		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8446	Seq. ID	OJ990401_08.9C10.C1
Gene No.	17982	Strand	+
Start	1	End	480
Name	OJ990401_08.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	251	End	480
GI	none	Score	272
Exons	251..478, 272..478, 295..480		

Seq. No.	8446	Seq. ID	OJ990401_08.9C10.C1
Gene No.	17982	Strand	+
Start	1	End	480
Name	OJ990401_08.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	272	End	478
GI	none	Score	184
Exons	272..478		

Seq. No.	8446	Seq. ID	OJ990401_08.9C10.C1
Gene No.	17982	Strand	+
Start	1	End	480
Name	OJ990401_08.9C10.C1.o1.gs	Method	GENSCAN
Start	273	End	447
GI	none	Score	.64
Exons	273..447		

Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17983	Strand	+
Start	529	End	2811
Name	OJ990401_08.9C10.C2.o1.gs	Method	GENSCAN
Start	529	End	2444
GI	none	Score	.96

Exons	529..610, 859..957, 1396..2444		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17983	Strand	+
Start	529	End	2811
Name	OJ990401_08.9C10.C2.o1.np	Method	AAT/NAP
Start	930	End	2441
GI	218157	Score	1785
Exons	930..957, 1396..2441		
GI Descrip.	(D13512) cytoplasmic aldolase [Oryza sativa]		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17983	Strand	+
Start	529	End	2811
Name	OJ990401_08.9C10.C2.o2.gp	Method	AAT/GAP
Start	2161	End	2811
GI	253_5.R1084	Score	1119
Exons	2161..2811		
GI Descrip.	'218157/dbj|BAA02729| 2.0e-23 (D13512) cytoplasmic aldolase [Oryza sativa]'		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17984	Strand	+
Start	3445	End	3747
Name	OJ990401_08.9C10.C2.o2.gs	Method	GENSCAN
Start	3445	End	3747
GI	none	Score	.94
Exons	3445..3747		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17985	Strand	+
Start	6009	End	7381
Name	OJ990401_08.9C10.C2.o2.np	Method	AAT/NAP
Start	6009	End	7381
GI	3935185	Score	501
Exons	6009..6418, 6506..7381		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-
Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	921	End	2068
GI	none	Score	59
Exons	921..956, 1377..1712, 1391..2068, 1395..2066		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-
Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	1349	End	2445
GI	none	Score	135
Exons	1349..1507, 1393..1542, 1394..1702, 1395..2444, 1738..1815, 1754..2440, 2137..2445		
Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-

Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	1377	End	2453
GI	none	Score	1568
Exons	1377..1715, 1385..2389, 1395..2390, 1794..2390, 2134..2397, 2404..2448, 2405..2452, 2412..2453		

Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-
Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o1.gp	Method	AAT/GAP
Start	1394	End	1742
GI	253_9.R1084	Score	539
Exons	1394..1742		
GI Descrip.	'2130073/pir||S65072 2.0e-49 fructose-bisphosphate aldolase (EC 4.1.2.13) isoenzyme C-1, cytosolic - rice >gi_786178_dbj_BAA08845_ (D50307) aldolase C-1 [Oryza sativa] >gi_790970_dbj_BAA08830_ (D50301) aldolase C-1 [Oryza sativa]'		

Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-
Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	1394	End	2453
GI	none	Score	1112
Exons	1394..1702, 1395..2249, 1395..1712, 1720..1854, 1742..2227, 2213..2452, 2226..2453		

Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17986	Strand	-
Start	1394	End	2453
Name	OJ990401_08.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	2261	End	2450
GI	none	Score	255
Exons	2261..2449, 2262..2450		

Seq. No.	8447	Seq. ID	OJ990401_08.9C10.C2
Gene No.	17987	Strand	
Start	6506	End	6886
Name	OJ990401_08.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	6506	End	6886
GI	none	Score	188
Exons	6506..6619, 6507..6710, 6696..6800, 6705..6809, 6854..6886		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	18	End	599
GI	none	Score	71
Exons	18..164, 54..179, 82..180, 183..599, 199..318, 213..419, 376..594, 525..596		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.np	Method	AAT/NAP

Start	39	End	1481
GI	4063751	Score	233
Exons	39..625, 1450..1481		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	54	End	629
GI	none	Score	81
Exons	54..128, 132..629, 267..401		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	108	End	596
GI	none	Score	113
Exons	108..596, 252..413, 526..588		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	114	End	530
GI	none	Score	114
Exons	114..530, 189..413		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o1.gs	Method	GENSCAN
Start	335	End	605
GI	none	Score	.4
Exons	335..605		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	767	End	1060
GI	none	Score	138
Exons	767..904, 929..1060		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	914	End	1364
GI	none	Score	189
Exons	914..1174, 1024..1116, 1266..1364		

Seq. No.	8448	Seq. ID	OJ990401_08.9C10.C3
Gene No.	17988	Strand	-
Start	39	End	1481
Name	OJ990401_08.9C10.C3.o3.tm	Method	TBLASTX:Maize

Start	1262	End	1447
GI	none	Score	192
Exons	1262..1447, 1263..1445		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17989	Strand	+
Start	491	End	827
Name	OJ990401_08.9C10.C4.o1.gs	Method	GENSCAN
Start	491	End	827
GI	none	Score	.63
Exons	491..617, 622..827		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o2.gs	Method	GENSCAN
Start	2154	End	5029
GI	none	Score	.55
Exons	2154..2252, 2427..2513, 2618..2806, 2914..3125, 3961..4048, 4526..5029		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o1.np	Method	AAT/NAP
Start	2370	End	6355
GI	6752944	Score	327
Exons	2370..2401, 3961..4048, 4526..5000, 6326..6355		
GI Descrip.	ATP-binding cassette, sub-family G (WHITE), member 2 gi|5852804|gb|AAD54216.1|AF140218_1 (AF140218) breast cancer resistance protein 1; BCRP1 [Mus musculus]		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	2422	End	2768
GI	none	Score	73
Exons	2422..2490, 2424..2513, 2636..2767, 2637..2768		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	2424	End	4054
GI	none	Score	69
Exons	2424..2513, 2621..2752, 3963..4049, 3965..4054		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o2.gp	Method	AAT/GAP
Start	3880	End	3974
GI	77434_1.R1084	Score	111
Exons	3880..3974		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	3962	End	4995
GI	none	Score	67
Exons	3962..4051, 3963..4064, 4526..4993, 4526..4774, 4701..4829, 4780..4995, 4829..4993, 4911..4994		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	3963	End	4990
GI	none	Score	68
Exons	3963..4061, 3965..4060, 4526..4774, 4548..4781, 4919..4990		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	4532	End	4987
GI	none	Score	100
Exons	4532..4642, 4533..4646, 4629..4787, 4643..4774, 4670..4918, 4829..4987, 4836..4931		

Seq. No.	8449	Seq. ID	OJ990401_08.9C10.C4
Gene No.	17990	Strand	-
Start	2154	End	8438
Name	OJ990401_08.9C10.C4.o3.gs	Method	GENSCAN
Start	5736	End	8438
GI	none	Score	.81
Exons	5736..5819, 6213..6291, 8020..8438		

Seq. No.	8450	Seq. ID	OJ990401_08.9C10.C5
Gene No.	17991	Strand	+
Start	8344	End	8621
Name	OJ990401_08.9C10.C5.o2.np	Method	AAT/NAP
Start	8344	End	8621
GI	553073	Score	244
Exons	8344..8621		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	8450	Seq. ID	OJ990401_08.9C10.C5
Gene No.	17992	Strand	-
Start	1	End	11426
Name	OJ990401_08.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	11426
GI	4581139	Score	63
Exons	1..53, 1850..1926, 4541..4671, 11401..11426		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8450	Seq. ID	OJ990401_08.9C10.C5
Gene No.	17992	Strand	-
Start	1	End	11426
Name	OJ990401_08.9C10.C5.o1.gp	Method	AAT/GAP

Start	1483	End	1624
GI	LIB3474-009-P1-K1-F11	Score	235
Exons	1483..1624		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17993	Strand	+
Start	1	End	3287
Name	OJ990401_08.9C10.C6.o1.gp	Method	AAT/GAP
Start	1	End	468
GI	2310235	Score	257
Exons	1..152, 443..468		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17993	Strand	+
Start	1	End	3287
Name	OJ990401_08.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	3287
GI	4680203	Score	3288
Exons	1..1685, 1839..2069, 2346..3287		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17993	Strand	+
Start	1	End	3287
Name	OJ990401_08.9C10.C6.o2.gp	Method	AAT/GAP
Start	17	End	3287
GI	342_1.R1084	Score	5669
Exons	17..3287		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o4.tw	Method	TBLASTX:Wheat
Start	364	End	706
GI	none	Score	101
Exons	364..471, 454..609, 462..593, 464..637, 602..706, 607..705		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	637	End	1066
GI	none	Score	102
Exons	637..720, 638..712, 713..775, 770..1066, 824..1048		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	799	End	1108
GI	none	Score	283

Exons	799..951, 806..1108, 991..1086		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	935	End	1402
GI	none	Score	72
Exons	935..988, 943..987, 989..1093, 1000..1089, 1109..1192, 1110..1193, 1173..1397, 1193..1402, 1194..1397, 1196..1402		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	980	End	1436
GI	none	Score	101
Exons	980..1108, 992..1111, 1110..1232, 1113..1232, 1242..1436		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	1266	End	1508
GI	none	Score	216
Exons	1266..1508		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	1541	End	1951
GI	none	Score	87
Exons	1541..1591, 1542..1604, 1610..1783, 1614..1832, 1621..1833, 1860..1949, 1865..1951, 1866..1949		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	1952	End	3269
GI	none	Score	874
Exons	1952..2854, 1953..2870, 2861..2908, 2865..2909, 2912..3007, 2916..2975, 2954..3094, 2955..3095, 3023..3103, 3108..3188, 3177..3269		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	1995	End	2309
GI	none	Score	304
Exons	1995..2309, 2006..2281, 2079..2309		
Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287

Name	OJ990401_08.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	2236	End	2688
GI	none	Score	175
Exons	2236..2418, 2240..2677, 2240..2683, 2244..2687, 2250..2687, 2437..2688		

Seq. No.	8451	Seq. ID	OJ990401_08.9C10.C6
Gene No.	17994	Strand	-
Start	2963	End	3287
Name	OJ990401_08.9C10.C6.o5.gp	Method	AAT/GAP
Start	2963	End	3287
GI	LIB3431-028-P1-N1-A10	Score	619
Exons	2963..3287		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8452	Seq. ID	OJ990401_08.9C10.C7
Gene No.	17995	Strand	+
Start	268	End	786
Name	OJ990401_08.9C10.C7.o1.np	Method	AAT/NAP
Start	268	End	786
GI	5852182	Score	76
Exons	268..394, 701..786		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8453	Seq. ID	OJ990401_08.9C10.C8
Gene No.	17996	Strand	-
Start	1	End	517
Name	OJ990401_08.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	517
GI	4680179	Score	338
Exons	1..517		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8453	Seq. ID	OJ990401_08.9C10.C8
Gene No.	17996	Strand	-
Start	1	End	517
Name	OJ990401_08.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	33	End	299
GI	none	Score	112
Exons	33..74, 102..299, 103..282		

Seq. No.	8453	Seq. ID	OJ990401_08.9C10.C8
Gene No.	17996	Strand	-
Start	1	End	517
Name	OJ990401_08.9C10.C8.o1.gs	Method	GENSCAN
Start	276	End	452
GI	none	Score	.72
Exons	276..452		

Seq. No.	8454	Seq. ID	OJ990401_08.9C10.C10
Gene No.	17997	Strand	-
Start	1	End	301
Name	OJ990401_08.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	301
GI	4680179	Score	399
Exons	1..301		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	8454	Seq. ID	OJ990401_08.9C10.C10
Gene No.	17997	Strand	-
Start	1	End	301
Name	OJ990401_08.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	4	End	282
GI	none	Score	134
Exons	4..282, 11..262		

Seq. No.	8454	Seq. ID	OJ990401_08.9C10.C10
Gene No.	17997	Strand	-
Start	1	End	301
Name	OJ990401_08.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	55	End	300
GI	none	Score	101
Exons	55..300, 56..262, 76..300		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	17998	Strand	+
Start	2074	End	8350
Name	OJ990401_08.9C10.C11.o2.np	Method	AAT/NAP
Start	2074	End	8350
GI	4544372	Score	1180
Exons	2074..2093, 5175..6219, 6279..6691, 6797..8350		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	17998	Strand	+
Start	2074	End	8350
Name	OJ990401_08.9C10.C11.o2.gs	Method	GENSCAN
Start	4443	End	7021
GI	none	Score	.47
Exons	4443..4782, 5257..5537, 5879..6144, 6457..7021		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	17999	Strand	+
Start	13696	End	13846
Name	OJ990401_08.9C10.C11.o1.gp	Method	AAT/GAP
Start	13696	End	13846
GI	286806	Score	254
Exons	13696..13846		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18000	Strand	+
Start	18138	End	19980
Name	OJ990401_08.9C10.C11.o5.gs	Method	GENSCAN
Start	18138	End	19980
GI	none	Score	.72
Exons	18138..18180, 18198..18612, 19027..19296, 19355..19596, 19964..19980		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18001	Strand	+

Start	23285	End	28438
Name	OJ990401_08.9C10.C11.o6.gs	Method	GENSCAN
Start	23285	End	28438
GI	none	Score	.63
Exons	23285..23353, 26513..26685, 26760..27020, 27030..27653, 27941..28009, 28303..28438		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18002	Strand	+
Start	28846	End	29385
Name	OJ990401_08.9C10.C11.o7.gs	Method	GENSCAN
Start	28846	End	29385
GI	none	Score	.61
Exons	28846..29385		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18003	Strand	+
Start	29507	End	37523
Name	OJ990401_08.9C10.C11.o7.np	Method	AAT/NAP
Start	29507	End	35907
GI	4263831	Score	138
Exons	29507..29531, 33424..33743, 33860..33959, 35861..35907		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18003	Strand	+
Start	29507	End	37523
Name	OJ990401_08.9C10.C11.o8.gs	Method	GENSCAN
Start	30455	End	37523
GI	none	Score	.49
Exons	30455..32113, 32212..32369, 33021..33144, 33339..33477, 33691..33773, 34012..34120, 34270..34379, 35630..35704, 35773..35959, 36389..36423, 37320..37523		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18004	Strand	-
Start	723	End	6214
Name	OJ990401_08.9C10.C11.o1.gs	Method	GENSCAN
Start	723	End	4022
GI	none	Score	.74
Exons	723..951, 1225..1273, 1796..3065, 3162..3337, 3360..3539, 3737..3845, 3861..4022		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18004	Strand	-
Start	723	End	6214
Name	OJ990401_08.9C10.C11.o1.np	Method	AAT/NAP
Start	1277	End	6214
GI	4206306	Score	2415
Exons	1277..4130, 6154..6214		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18005	Strand	-
Start	8725	End	11939
Name	OJ990401_08.9C10.C11.o3.gs	Method	GENSCAN

Start	8725	End	11939
GI	none	Score	.84
Exons	8725..9405, 9484..9594, 9665..9724, 9800..10086, 10391..11494, 11645..11786, 11883..11939		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o8.tw	Method	TBLASTX:Wheat
Start	1292	End	8323
GI	none	Score	140
Exons	1292..1414, 7934..8197, 8195..8323, 8203..8301		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o4.ts	Method	TBLASTX:Soybean
Start	1854	End	33824
GI	none	Score	237
Exons	1854..2078, 2085..2228, 7376..7774, 7480..7596, 33609..33824		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	1869	End	33824
GI	none	Score	67
Exons	1869..2231, 1875..1979, 1930..2139, 7373..7531, 7529..7753, 33567..33671, 33699..33824		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o6.tw	Method	TBLASTX:Wheat
Start	2001	End	33671
GI	none	Score	60
Exons	2001..2390, 2010..2141, 7217..7378, 7412..7519, 7550..7597, 33374..33409, 33441..33521, 33567..33671		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o5.tm	Method	TBLASTX:Maize
Start	2232	End	33566
GI	none	Score	103
Exons	2232..2498, 2233..2454, 7142..7372, 33435..33566		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o5.tw	Method	TBLASTX:Wheat
Start	2700	End	6955
GI	none	Score	82
Exons	2700..3131, 2707..2874, 3019..3132, 6557..6646, 6686..6955		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-

Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o2.ts	Method	TBLASTX:Soybean
Start	2775	End	6922
GI	none	Score	79
Exons	2775..3131, 2776..3123, 6512..6649, 6514..6645, 6670..6819, 6671..6922		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o1.ts	Method	TBLASTX:Soybean
Start	3382	End	6281
GI	none	Score	59
Exons	3382..3474, 3399..3782, 3589..3732, 5891..6139, 5929..6066, 6174..6281		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o4.tw	Method	TBLASTX:Wheat
Start	3408	End	6275
GI	none	Score	116
Exons	3408..3797, 3510..3728, 3514..3774, 5876..6172, 5893..6132, 6174..6275		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	3502	End	6206
GI	none	Score	86
Exons	3502..3774, 3534..3914, 3792..3875, 5744..6175, 5744..6025, 5893..6141, 6060..6155, 6149..6205, 6156..6206		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o2.tw	Method	TBLASTX:Wheat
Start	3798	End	5875
GI	none	Score	81
Exons	3798..3935, 3939..4148, 5472..5528, 5477..5518, 5523..5645, 5531..5641, 5532..5648, 5593..5808, 5639..5875, 5645..5875		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o4.tm	Method	TBLASTX:Maize
Start	3915	End	5645
GI	none	Score	119
Exons	3915..4130, 3975..4130, 5403..5645, 5414..5629		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o5.ts	Method	TBLASTX:Soybean
Start	3993	End	5636
GI	none	Score	144

Exons	3993..4127, 5310..5534, 5541..5636		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o6.ts	Method	TBLASTX:Soybean
Start	8117	End	8361
GI	none	Score	93
Exons	8117..8206, 8117..8191, 8203..8250, 8204..8356, 8323..8361		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o3.np	Method	AAT/NAP
Start	13199	End	18568
GI	4680203	Score	2028
Exons	13199..13223, 15232..15479, 15633..17269, 18539..18568		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o3.tw	Method	TBLASTX:Wheat
Start	15319	End	15777
GI	none	Score	112
Exons	15319..15450, 15328..15453, 15330..15458, 15330..15452, 15485..15697, 15486..15704, 15535..15708, 15714..15776, 15727..15777		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o3.tm	Method	TBLASTX:Maize
Start	15882	End	16340
GI	none	Score	108
Exons	15882..16076, 16086..16340, 16086..16328		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	15916	End	16385
GI	none	Score	145
Exons	15916..16122, 15916..16125, 15921..16145, 16123..16215, 16125..16223, 16126..16218, 16227..16331, 16231..16332, 16329..16385, 16333..16377		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o1.tc	Method	TBLASTX:Cress
Start	16173	End	16515
GI	none	Score	83
Exons	16173..16514, 16176..16358, 16369..16515		
Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-

Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o3.ts	Method	TBLASTX:Soybean
Start	16254	End	16630
GI	none	Score	108
Exons	16254..16523, 16272..16496, 16586..16630, 16588..16629		

Seq. No.	8455	Seq. ID	OJ990401_08.9C10.C11
Gene No.	18006	Strand	-
Start	13199	End	33824
Name	OJ990401_08.9C10.C11.o7.tw	Method	TBLASTX:Wheat
Start	16585	End	16918
GI	none	Score	152
Exons	16585..16629, 16628..16828, 16629..16820, 16630..16827, 16787..16918		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18007	Strand	+
Start	1322	End	6112
Name	OJ990401_08.9C10.C13.o1.gs	Method	GENSCAN
Start	1322	End	6112
GI	none	Score	.8
Exons	1322..2055, 2160..2333, 2616..2688, 2958..3057, 5056..5287, 6049..6112		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18008	Strand	+
Start	8919	End	10257
Name	OJ990401_08.9C10.C13.o2.np	Method	AAT/NAP
Start	8919	End	10257
GI	262250	Score	83
Exons	8919..9074, 10224..10257		
GI Descrip.	(S52010) 1st Met is at position 21 [Mus sp.]		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18009	Strand	+
Start	23841	End	29544
Name	OJ990401_08.9C10.C13.o4.np	Method	AAT/NAP
Start	23838	End	29544
GI	4038056	Score	1129
Exons	23838..25535, 28967..29544		
GI Descrip.	(AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18009	Strand	+
Start	23841	End	29544
Name	OJ990401_08.9C10.C13.o5.gs	Method	GENSCAN
Start	23841	End	25565
GI	none	Score	.91
Exons	23841..24791, 24897..25565		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18010	Strand	-
Start	8211	End	12637
Name	OJ990401_08.9C10.C13.o2.gs	Method	GENSCAN
Start	8211	End	12637
GI	none	Score	.61

Exons	8211..8381, 8386..8577, 12040..12096, 12626..12637		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18010	Strand	-
Start	8211	End	12637
Name	OJ990401_08.9C10.C13.o3.np	Method	AAT/NAP
Start	11285	End	11405
GI	6721512	Score	43
Exons	11285..11405		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18011	Strand	-
Start	15246	End	20594
Name	OJ990401_08.9C10.C13.o3.gs	Method	GENSCAN
Start	15246	End	20594
GI	none	Score	.51
Exons	15246..15371, 16437..16484, 16497..16731, 16893..16939, 17207..17273, 17383..17652, 19438..19523, 20023..20191, 20196..20507, 20512..20594		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18012	Strand	-
Start	22556	End	23026
Name	OJ990401_08.9C10.C13.o4.gs	Method	GENSCAN
Start	22556	End	23026
GI	none	Score	.9
Exons	22556..22744, 22844..23026		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	24207	End	24701
GI	none	Score	245
Exons	24207..24551, 24239..24532, 24582..24701, 24611..24688		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	24240	End	24551
GI	none	Score	43
Exons	24240..24269, 24276..24551, 24296..24550		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	24582	End	24926
GI	none	Score	133
Exons	24582..24761, 24611..24727, 24768..24926, 24809..24883		
Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o3.ts	Method	TBLASTX:Soybean

Start	24582	End	24848
GI	none	Score	143
Exons	24582..24761, 24608..24760, 24768..24848		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	24711	End	25169
GI	none	Score	185
Exons	24711..24872, 24719..24865, 24723..24869, 24873..24989, 24873..24974, 24904..24975, 25019..25147, 25020..25169		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	24765	End	25211
GI	none	Score	190
Exons	24765..24890, 24771..25016, 25020..25211		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	25044	End	25283
GI	none	Score	191
Exons	25044..25283		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o6.gs	Method	GENSCAN
Start	25646	End	29170
GI	none	Score	.72
Exons	25646..25764, 26216..26526, 26531..27047, 28057..28223, 29070..29170		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o2.gp	Method	AAT/GAP
Start	28697	End	28975
GI	61605_3.R1084	Score	331
Exons	28697..28975		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13
Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	28964	End	29320
GI	none	Score	86
Exons	28964..29053, 29060..29320		

Seq. No.	8456	Seq. ID	OJ990401_08.9C10.C13

Gene No.	18013	Strand	-
Start	25646	End	29346
Name	OJ990401_08.9C10.C13.o3.tw	Method	TBLASTX:Wheat
Start	29162	End	29346
GI	none	Score	196
Exons	29162..29344, 29206..29346		

Seq. No.	8457	Seq. ID	OJ990401_08.9C10.C14
Gene No.	18014	Strand	+
Start	1	End	747
Name	OJ990401_08.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	747
GI	4680179	Score	1062
Exons	1..747		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8457	Seq. ID	OJ990401_08.9C10.C14
Gene No.	18014	Strand	+
Start	1	End	747
Name	OJ990401_08.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	36	End	164
GI	none	Score	179
Exons	36..164, 41..151, 54..161		

Seq. No.	8457	Seq. ID	OJ990401_08.9C10.C14
Gene No.	18014	Strand	+
Start	1	End	747
Name	OJ990401_08.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	41	End	611
GI	none	Score	649
Exons	41..493, 42..611, 551..610		

Seq. No.	8457	Seq. ID	OJ990401_08.9C10.C14
Gene No.	18014	Strand	+
Start	1	End	747
Name	OJ990401_08.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	164	End	740
GI	none	Score	229
Exons	164..310, 165..326, 171..317, 551..739	324..740, 338..496, 483..728,	

Seq. No.	8457	Seq. ID	OJ990401_08.9C10.C14
Gene No.	18014	Strand	+
Start	1	End	747
Name	OJ990401_08.9C10.C14.o2.tw	Method	TBLASTX:Wheat
Start	611	End	742
GI	none	Score	186
Exons	611..736, 612..737, 656..742		

Seq. No.	8458	Seq. ID	OJ990401_08.9C10.C15
Gene No.	18015	Strand	-
Start	489	End	605
Name	OJ990401_08.9C10.C15.o1.gs	Method	GENSCAN
Start	489	End	605
GI	none	Score	.44
Exons	489..605		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18016	Strand	-
Start	57	End	6107
Name	OJ990401_08.9C10.C16.o1.gs	Method	GENSCAN
Start	57	End	6043
GI	none	Score	.53
Exons	57..122, 405..561, 635..887, 1692..2134, 2171..2425, 2609..4229, 4371..6043		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18016	Strand	-
Start	57	End	6107
Name	OJ990401_08.9C10.C16.o1.np	Method	AAT/NAP
Start	1634	End	6107
GI	4680179	Score	5578
Exons	1634..5014, 5042..6107		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o7.tw	Method	TBLASTX:Wheat
Start	1679	End	2012
GI	none	Score	82
Exons	1679..2011, 1700..1861, 1731..2012		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	1874	End	2459
GI	none	Score	98
Exons	1874..2299, 1875..2072, 1895..2179, 2136..2300, 2295..2444, 2297..2458, 2304..2459		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	2012	End	2638
GI	none	Score	264
Exons	2012..2638, 2151..2582		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	2507	End	2799
GI	none	Score	303
Exons	2507..2797, 2511..2798, 2608..2799		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	2597	End	2857
GI	none	Score	177

Exons	2597..2857, 2598..2846		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	2645	End	3184
GI	none	Score	286
Exons	2645..3184, 2649..3002		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	3212	End	3637
GI	none	Score	223
Exons	3212..3562, 3212..3637, 3219..3635		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	3326	End	3751
GI	none	Score	197
Exons	3326..3751, 3339..3704		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	3383	End	3631
GI	none	Score	202
Exons	3383..3631		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o5.tw	Method	TBLASTX:Wheat
Start	3638	End	3901
GI	none	Score	241
Exons	3638..3901, 3639..3899		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	3653	End	4048
GI	none	Score	180
Exons	3653..3904, 3663..3896, 3959..4012, 3969..4007, 4016..4048, 4016..4048		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	3959	End	4406
GI	none	Score	70

Exons	3959..4402, 4164..4406		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o4.tw	Method	TBLASTX:Wheat
Start	3988	End	4472
GI	none	Score	211
Exons	3988..4362, 3989..4471, 3992..4447, 4032..4472		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o4.ts	Method	TBLASTX:Soybean
Start	4121	End	4435
GI	none	Score	195
Exons	4121..4435		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o6.tm	Method	TBLASTX:Maize
Start	4409	End	4600
GI	none	Score	106
Exons	4409..4600, 4455..4562		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o8.tw	Method	TBLASTX:Wheat
Start	4604	End	4957
GI	none	Score	56
Exons	4604..4957, 4679..4957		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o6.tw	Method	TBLASTX:Wheat
Start	5291	End	5641
GI	none	Score	315
Exons	5291..5641		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o5.tm	Method	TBLASTX:Maize
Start	5303	End	5641
GI	none	Score	65
Exons	5303..5641, 5396..5641		
Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o9.tw	Method	TBLASTX:Wheat
Start	5693	End	5891
GI	none	Score	54
Exons	5693..5866, 5693..5890, 5694..5891		

Seq. No.	8459	Seq. ID	OJ990401_08.9C10.C16
Gene No.	18017	Strand	-
Start	6312	End	6390
Name	OJ990401_08.9C10.C16.o2.np	Method	AAT/NAP
Start	6312	End	6390
GI	4512231	Score	123
Exons	6312..6390		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	8460	Seq. ID	OJ990401_08.9C10.C17
Gene No.	18018	Strand	-
Start	788	End	3768
Name	OJ990401_08.9C10.C17.o1.gs	Method	GENSCAN
Start	788	End	3768
GI	none	Score	.68
Exons	788..805, 862..1104, 1610..1666, 1938..2294, 2394..2608, 2638..2899, 2922..3266, 3487..3667, 3680..3768		

Seq. No.	8461	Seq. ID	OJ990401_08.9C10.C18
Gene No.	18019	Strand	+
Start	1	End	1752
Name	OJ990401_08.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	1752
GI	6742729	Score	522
Exons	1..33, 746..1162, 1721..1752		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8461	Seq. ID	OJ990401_08.9C10.C18
Gene No.	18020	Strand	-
Start	138	End	797
Name	OJ990401_08.9C10.C18.o1.gs	Method	GENSCAN
Start	138	End	797
GI	none	Score	.62
Exons	138..252, 359..490, 711..797		

Seq. No.	8461	Seq. ID	OJ990401_08.9C10.C18
Gene No.	18021	Strand	-
Start	759	End	1168
Name	OJ990401_08.9C10.C18.o1.gp	Method	AAT/GAP
Start	759	End	1164
GI	342_1.R1084	Score	628
Exons	759..1164		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8461	Seq. ID	OJ990401_08.9C10.C18
Gene No.	18021	Strand	-
Start	759	End	1168
Name	OJ990401_08.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	777	End	1168
GI	none	Score	146
Exons	777..887, 778..888, 879..1124, 885..1112, 908..1168		

Seq. No.	8461	Seq. ID	OJ990401_08.9C10.C18
Gene No.	18021	Strand	-
Start	759	End	1168

Name	OJ990401_08.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	911	End	1168
GI	none	Score	57
Exons	911..982, 911..1168, 915..1124		

Seq. No.	8462	Seq. ID	OJ990401_08.9C10.C19
Gene No.	18022	Strand	+
Start	1	End	1884
Name	OJ990401_08.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	931
GI	4680203	Score	735
Exons	1..931		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8462	Seq. ID	OJ990401_08.9C10.C19
Gene No.	18022	Strand	+
Start	1	End	1884
Name	OJ990401_08.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	98	End	967
GI	none	Score	296
Exons	98..493, 142..462, 146..463, 471..512, 473..517, 476..517, 520..606, 524..583, 562..702, 563..691, 593..709, 594..710, 631..711, 715..768, 716..796, 785..889, 811..876, 878..967		

Seq. No.	8462	Seq. ID	OJ990401_08.9C10.C19
Gene No.	18022	Strand	+
Start	1	End	1884
Name	OJ990401_08.9C10.C19.o2.gp	Method	AAT/GAP
Start	98	End	1884
GI	342_1.R1084	Score	2528
Exons	98..1024, 1060..1079, 1162..1259, 1369..1884		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8462	Seq. ID	OJ990401_08.9C10.C19
Gene No.	18022	Strand	+
Start	1	End	1884
Name	OJ990401_08.9C10.C19.o1.gs	Method	GENSCAN
Start	287	End	952
GI	none	Score	.58
Exons	287..952		

Seq. No.	8463	Seq. ID	OJ990401_08.9C10.C20
Gene No.	18023	Strand	+
Start	1	End	94
Name	OJ990401_08.9C10.C20.o1.gp	Method	AAT/GAP
Start	1	End	94
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	1..94		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8463	Seq. ID	OJ990401_08.9C10.C20
Gene No.	18024	Strand	+
Start	885	End	4596
Name	OJ990401_08.9C10.C20.o1.np	Method	AAT/NAP

Start	885	End	4578
GI	4680204	Score	1047
Exons	885..2320, 2395..3491, 3601..3774, 3871..4077, 4428..4578		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8463	Seq. ID	OJ990401_08.9C10.C20
Gene No.	18024	Strand	+
Start	885	End	4596
Name	OJ990401_08.9C10.C20.o1.gs	Method	GENSCAN
Start	900	End	4596
GI	none	Score	.72
Exons	900..1235, 1280..1757, 1872..2155, 2201..2320, 2395..2536, 2662..2804, 2806..3491, 3601..3774, 3871..3981, 4066..4138, 4233..4331, 4411..4596		

Seq. No.	8463	Seq. ID	OJ990401_08.9C10.C20
Gene No.	18024	Strand	+
Start	885	End	4596
Name	OJ990401_08.9C10.C20.o1.tw	Method	TBLASTX:Wheat
Start	1527	End	1930
GI	none	Score	62
Exons	1527..1667, 1527..1637, 1529..1765, 1529..1678, 1630..1797, 1835..1930		

Seq. No.	8463	Seq. ID	OJ990401_08.9C10.C20
Gene No.	18024	Strand	+
Start	885	End	4596
Name	OJ990401_08.9C10.C20.o2.tw	Method	TBLASTX:Wheat
Start	3418	End	3940
GI	none	Score	60
Exons	3418..3498, 3587..3769, 3637..3762, 3869..3940		

Seq. No.	8464	Seq. ID	OJ990401_08.9C10.C21
Gene No.	18025	Strand	+
Start	1890	End	9421
Name	OJ990401_08.9C10.C21.o2.gs	Method	GENSCAN
Start	1890	End	8599
GI	none	Score	.4
Exons	1890..1982, 2081..2261, 2427..2616, 2837..2945, 4640..5132, 7699..7892, 7922..8051, 8169..8320, 8381..8599		

Seq. No.	8464	Seq. ID	OJ990401_08.9C10.C21
Gene No.	18025	Strand	+
Start	1890	End	9421
Name	OJ990401_08.9C10.C21.o3.np	Method	AAT/NAP
Start	6684	End	9421
GI	4584355	Score	150
Exons	6684..6713, 9106..9421		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	8464	Seq. ID	OJ990401_08.9C10.C21
Gene No.	18025	Strand	+
Start	1890	End	9421
Name	OJ990401_08.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	7914	End	8267
GI	none	Score	139
Exons	7914..8051, 8163..8267		

Seq. No.	8465	Seq. ID	OJ990401_08.9C10.C22
Gene No.	18026	Strand	+
Start	452	End	571
Name	OJ990401_08.9C10.C22.o1.gs	Method	GENSCAN
Start	452	End	571
GI	none	Score	.77
Exons	452..571		

Seq. No.	8466	Seq. ID	OJ990401_08.9C10.C25
Gene No.	18027	Strand	+
Start	1	End	377
Name	OJ990401_08.9C10.C25.o1.np	Method	AAT/NAP
Start	1	End	377
GI	3935185	Score	238
Exons	1..377		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	8466	Seq. ID	OJ990401_08.9C10.C25
Gene No.	18027	Strand	+
Start	1	End	377
Name	OJ990401_08.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	13	End	354
GI	none	Score	175
Exons	13..210, 153..299, 196..309, 205..300, 316..354		

Seq. No.	8466	Seq. ID	OJ990401_08.9C10.C25
Gene No.	18027	Strand	+
Start	1	End	377
Name	OJ990401_08.9C10.C25.o1.gs	Method	GENSCAN
Start	16	End	327
GI	none	Score	.51
Exons	16..327		

Seq. No.	8467	Seq. ID	OJ990401_08.9C10.C26
Gene No.	18028	Strand	+
Start	734	End	1474
Name	OJ990401_08.9C10.C26.o1.gs	Method	GENSCAN
Start	734	End	1453
GI	none	Score	.96
Exons	734..1453		

Seq. No.	8467	Seq. ID	OJ990401_08.9C10.C26
Gene No.	18028	Strand	+
Start	734	End	1474
Name	OJ990401_08.9C10.C26.o1.np	Method	AAT/NAP
Start	734	End	1474
GI	4512231	Score	1223
Exons	734..1474		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	8468	Seq. ID	OJ990401_08.9C10.C27
Gene No.	18029	Strand	-
Start	323	End	1011
Name	OJ990401_08.9C10.C27.o1.gs	Method	GENSCAN
Start	323	End	819
GI	none	Score	.49

Exons	323..819		
Seq. No.	8468	Seq. ID	OJ990401_08.9C10.C27
Gene No.	18029	Strand	-
Start	323	End	1011
Name	OJ990401_08.9C10.C27.o1.np	Method	AAT/NAP
Start	326	End	1011
GI	1196998	Score	1199
Exons	326..1011		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	8469	Seq. ID	OJ990621_04.9C03.C1
Gene No.	18030	Strand	-
Start	69	End	161
Name	OJ990621_04.9C03.C1.o1.gp	Method	AAT/GAP
Start	69	End	161
GI	uC-osflcyp088b12b1	Score	139
Exons	69..161		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	8470	Seq. ID	OJ990621_04.9C03.C5
Gene No.	18031	Strand	+
Start	1	End	384
Name	OJ990621_04.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	384
GI	4680179	Score	370
Exons	1..384		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	8470	Seq. ID	OJ990621_04.9C03.C5
Gene No.	18031	Strand	+
Start	1	End	384
Name	OJ990621_04.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	3	End	339
GI	none	Score	181
Exons	3..146, 5..124, 175..339		
Seq. No.	8470	Seq. ID	OJ990621_04.9C03.C5
Gene No.	18031	Strand	+
Start	1	End	384
Name	OJ990621_04.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	56	End	324
GI	none	Score	118
Exons	56..142, 57..149, 183..275, 184..324, 190..321		
Seq. No.	8470	Seq. ID	OJ990621_04.9C03.C5
Gene No.	18031	Strand	+
Start	1	End	384
Name	OJ990621_04.9C03.C5.o1.gs	Method	GENSCAN
Start	129	End	356

GI	none	Score	.67
Exons	129..356		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18032	Strand	+
Start	111	End	773
Name	OJ990621_04.9C03.C6.o1.gs	Method	GENSCAN
Start	111	End	773
GI	none	Score	.4
Exons	111..207, 248..773		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18033	Strand	-
Start	1	End	790
Name	OJ990621_04.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	790
GI	6498441	Score	822
Exons	1..80, 167..540, 604..790		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18033	Strand	-
Start	1	End	790
Name	OJ990621_04.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	55	End	402
GI	none	Score	195
Exons	55..402, 56..367		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18033	Strand	-
Start	1	End	790
Name	OJ990621_04.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	70	End	533
GI	none	Score	223
Exons	70..531, 76..531, 77..532, 90..533		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18033	Strand	-
Start	1	End	790
Name	OJ990621_04.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	127	End	492
GI	none	Score	119
Exons	127..261, 268..492		

Seq. No.	8471	Seq. ID	OJ990621_04.9C03.C6
Gene No.	18033	Strand	-
Start	1	End	790
Name	OJ990621_04.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	406	End	574
GI	none	Score	156
Exons	406..570, 407..574		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18034	Strand	+
Start	9297	End	19557

Name	OJ990621_04.9C03.C9.o3.gs	Method	GENSCAN
Start	9297	End	19557
GI	none	Score	.45
Exons	9297..9469, 9678..9744, 11066..11134, 11265..11365, 12313..12449, 12544..12862, 12879..12986, 13823..13932, 14793..14908, 15167..15254, 15288..16079, 16187..16810, 18270..18381, 18569..18662, 18809..19020, 19446..19557		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18034	Strand	+
Start	9297	End	19557
Name	OJ990621_04.9C03.C9.o3.np	Method	AAT/NAP
Start	13770	End	15832
GI	6721561	Score	78
Exons	13770..13877, 15801..15832		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18034	Strand	+
Start	9297	End	19557
Name	OJ990621_04.9C03.C9.o1.gp	Method	AAT/GAP
Start	14367	End	14459
GI	uC-osflcyp088b12b1	Score	136
Exons	14367..14459		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18035	Strand	-
Start	7619	End	19815
Name	OJ990621_04.9C03.C9.o2.gs	Method	GENSCAN
Start	7619	End	8030
GI	none	Score	.82
Exons	7619..7826, 7832..8006, 8012..8030		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18035	Strand	-
Start	7619	End	19815
Name	OJ990621_04.9C03.C9.o1.np	Method	AAT/NAP
Start	7725	End	19815
GI	6815109	Score	283
Exons	7725..7953, 11836..12208, 12358..12640, 12857..12952, 19322..19405, 19456..19540, 19749..19815		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8472	Seq. ID	OJ990621_04.9C03.C9
Gene No.	18035	Strand	-
Start	7619	End	19815
Name	OJ990621_04.9C03.C9.o2.np	Method	AAT/NAP
Start	13648	End	13737
GI	4680183	Score	89
Exons	13648..13737		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18036	Strand	+
Start	461	End	566
Name	OJ990621_04.9C03.C10.o1.gp	Method	AAT/GAP
Start	461	End	566
GI	uC-osf1cyp088b12b1	Score	145
Exons	461..566		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18037	Strand	+
Start	923	End	1684
Name	OJ990621_04.9C03.C10.o1.gs	Method	GENSCAN
Start	923	End	1684
GI	none	Score	.67
Exons	923..1068, 1167..1684		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18038	Strand	-
Start	2346	End	5389
Name	OJ990621_04.9C03.C10.o1.np	Method	AAT/NAP
Start	2305	End	5389
GI	5902445	Score	2960
Exons	2305..3549, 3589..5389		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18038	Strand	-
Start	2346	End	5389
Name	OJ990621_04.9C03.C10.o2.gs	Method	GENSCAN
Start	2346	End	2678
GI	none	Score	.77
Exons	2346..2678		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18038	Strand	-
Start	2346	End	5389
Name	OJ990621_04.9C03.C10.o3.gs	Method	GENSCAN
Start	2926	End	5200
GI	none	Score	.82
Exons	2926..3923, 4015..4400, 4599..5200		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o6.tw	Method	TBLASTX:Wheat
Start	2314	End	2922
GI	none	Score	59
Exons	2314..2445, 2315..2440, 2487..2825, 2665..2754, 2746..2922, 2819..2908		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o4.tw	Method	TBLASTX:Wheat

Start	3043	End	3429
GI	none	Score	221
Exons	3043..3429, 3047..3421		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	3124	End	3429
GI	none	Score	172
Exons	3124..3429, 3125..3412		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o7.tw	Method	TBLASTX:Wheat
Start	3634	End	3912
GI	none	Score	57
Exons	3634..3912, 3638..3793, 3833..3907		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o5.tw	Method	TBLASTX:Wheat
Start	3914	End	4304
GI	none	Score	57
Exons	3914..4069, 3948..4040, 4077..4304, 4079..4303		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	4394	End	4819
GI	none	Score	81
Exons	4394..4819, 4635..4760		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	4449	End	4873
GI	none	Score	249
Exons	4449..4763, 4451..4873, 4484..4870		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	4547	End	4930
GI	none	Score	110
Exons	4547..4930, 4548..4763, 4658..4930		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	4958	End	5314

GI	none	Score	126
Exons	4958..5314, 4959..5192, 5012..5260		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	4988	End	5444
GI	none	Score	126
Exons	4988..5443, 4989..5195, 5313..5444		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o4.gs	Method	GENSCAN
Start	5453	End	6421
GI	none	Score	.63
Exons	5453..6133, 6152..6421		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o2.np	Method	AAT/NAP
Start	5456	End	6502
GI	5902444	Score	601
Exons	5456..6234, 6481..6502		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8473	Seq. ID	OJ990621_04.9C03.C10
Gene No.	18039	Strand	-
Start	5453	End	6502
Name	OJ990621_04.9C03.C10.o3.tw	Method	TBLASTX:Wheat
Start	5593	End	6091
GI	none	Score	95
Exons	5593..5646, 5636..5872, 5651..5860, 5754..5870, 5909..6091, 5910..6083		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18040	Strand	+
Start	1	End	447
Name	OJ990621_04.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6721519	Score	48
Exons	1..32, 291..447		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18041	Strand	+
Start	2125	End	3294
Name	OJ990621_04.9C03.C11.o1.gp	Method	AAT/GAP
Start	2125	End	3200
GI	28813_1.R1084	Score	834
Exons	2125..2249, 2415..2680, 3147..3200		
GI Descrip.	'1419368/emb|CAA66310| 6.0e-44 (X97725) actin depolymerizing factor [Zea mays]'		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18041	Strand	+
Start	2125	End	3294
Name	OJ990621_04.9C03.C11.o4.np	Method	AAT/NAP
Start	2412	End	3294
GI	1419368	Score	570
Exons	2412..2680, 3147..3294		
GI Descrip.	(X97725) actin depolymerizing factor [Zea mays]		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18042	Strand	-
Start	508	End	957
Name	OJ990621_04.9C03.C11.o2.np	Method	AAT/NAP
Start	508	End	957
GI	6539570	Score	196
Exons	508..562, 742..957		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18043	Strand	-
Start	1085	End	1162
Name	OJ990621_04.9C03.C11.o3.np	Method	AAT/NAP
Start	1085	End	1162
GI	6630699	Score	72
Exons	1085..1162		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	2414	End	3214
GI	none	Score	324
Exons	2414..2671, 2415..2681, 3151..3213, 3173..3214		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	2414	End	2681
GI	none	Score	351
Exons	2414..2680, 2415..2681		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	2414	End	3257
GI	none	Score	368
Exons	2414..2680, 2415..2681, 3148..3255, 3170..3256, 3171..3257		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o2.ts	Method	TBLASTX:Soybean

Start	2414	End	3297
GI	none	Score	349
Exons	2414..2680, 2415..2681, 3139..3270, 3148..3297		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o2.gs	Method	GENSCAN
Start	3052	End	11806
GI	none	Score	.4
Exons	3052..3216, 3790..3911, 6013..6404, 9728..9934, 10190..10269, 10769..10906, 10995..11152, 11707..11806		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	3135	End	3297
GI	none	Score	124
Exons	3135..3296, 3137..3259, 3145..3270, 3148..3297, 3222..3290		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	5812	End	11844
GI	none	Score	60
Exons	5812..5841, 5857..5904, 5869..5904, 5906..5977, 5913..5978, 5913..5978, 5924..5980, 6058..6216, 6063..6233, 6063..6194, 6065..6202, 6182..6427, 6191..6424, 6195..6431, 9722..9742, 9723..9845, 9724..9843, 9727..9852, 9728..9850, 9839..9934, 9847..9936, 9847..9933, 10615..10683, 10616..10684, 10769..10912, 10769..10912, 10822..10971, 10959..11156, 10986..11156, 10996..11157, 10996..11172, 10997..11161, 11705..11815, 11706..11816, 11706..11822, 11707..11817, 11707..11844		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o2.gp	Method	AAT/GAP
Start	5839	End	6362
GI	LIB3434-047-P1-K1-A6	Score	737
Exons	5839..5977, 6065..6362		
GI Descrip.	'4454011/emb|CAA23064| 7.0e-13 (AL035396) putative protein [Arabidopsis thaliana]'		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o5.np	Method	AAT/NAP
Start	6035	End	12238
GI	4454011	Score	649
Exons	6035..6423, 8542..8598, 9777..9934, 10616..10683, 10769..10906, 10995..11217, 11707..11812, 12033..12130, 12182..12238		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o3.gp	Method	AAT/GAP
Start	6360	End	9917
GI	2427521	Score	810
Exons	6360..6425, 9223..9427, 9728..9917		

Seq. No.	8474	Seq. ID	OJ990621_04.9C03.C11
Gene No.	18044	Strand	-
Start	3052	End	12238
Name	OJ990621_04.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	9859	End	12128
GI	none	Score	95
Exons	9859..9933, 10615..10680, 10769..10912, 10951..11160, 10995..11162, 11741..11899, 12027..12128		

Seq. No.	8475	Seq. ID	OJ990621_04.9C03.C12
Gene No.	18045	Strand	+
Start	500	End	605
Name	OJ990621_04.9C03.C12.o1.np	Method	AAT/NAP
Start	500	End	605
GI	5852093	Score	58
Exons	500..605		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	8475	Seq. ID	OJ990621_04.9C03.C12
Gene No.	18046	Strand	-
Start	1	End	1693
Name	OJ990621_04.9C03.C12.o2.np	Method	AAT/NAP
Start	1	End	1693
GI	4454011	Score	167
Exons	1..68, 1277..1398, 1476..1573, 1666..1693		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	8475	Seq. ID	OJ990621_04.9C03.C12
Gene No.	18046	Strand	-
Start	1	End	1693
Name	OJ990621_04.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	263	End	870
GI	none	Score	125
Exons	263..415, 267..410, 781..870		

Seq. No.	8475	Seq. ID	OJ990621_04.9C03.C12
Gene No.	18046	Strand	-
Start	1	End	1693
Name	OJ990621_04.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	1265	End	1579
GI	none	Score	172
Exons	1265..1414, 1276..1404, 1475..1504, 1508..1579, 1510..1563		

Seq. No.	8476	Seq. ID	OJ990621_04.9C03.C13
Gene No.	18047	Strand	-
Start	306	End	618
Name	OJ990621_04.9C03.C13.o1.gs	Method	GENSCAN
Start	306	End	618
GI	none	Score	.78

Exons	306..383, 586..618		
Seq. No.	8477	Seq. ID	OJ990621_04.9C03.C14
Gene No.	18048	Strand	+
Start	964	End	4947
Name	OJ990621_04.9C03.C14.o1.gs	Method	GENSCAN
Start	964	End	4947
GI	none	Score	.44
Exons	964..1170, 4864..4947		
Seq. No.	8477	Seq. ID	OJ990621_04.9C03.C14
Gene No.	18049	Strand	-
Start	827	End	1139
Name	OJ990621_04.9C03.C14.o1.gp	Method	AAT/GAP
Start	827	End	1139
GI	26826_1.R1084	Score	481
Exons	827..1139		
GI Descrip.	'1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp'		
Seq. No.	8478	Seq. ID	OJ990621_04.9C03.C15
Gene No.	18050	Strand	+
Start	1359	End	1488
Name	OJ990621_04.9C03.C15.o1.gs	Method	GENSCAN
Start	1359	End	1488
GI	none	Score	.91
Exons	1359..1488		
Seq. No.	8479	Seq. ID	OJ990621_04.9C03.C16
Gene No.	18051	Strand	+
Start	524	End	1850
Name	OJ990621_04.9C03.C16.o1.np	Method	AAT/NAP
Start	524	End	1850
GI	4539658	Score	66
Exons	524..738, 1816..1850		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	8479	Seq. ID	OJ990621_04.9C03.C16
Gene No.	18052	Strand	-
Start	1061	End	1233
Name	OJ990621_04.9C03.C16.o3.np	Method	AAT/NAP
Start	1061	End	1233
GI	6815053	Score	105
Exons	1061..1233		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	8480	Seq. ID	OJ990621_04.9C03.C17
Gene No.	18053	Strand	+
Start	2171	End	2519
Name	OJ990621_04.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	2153	End	2519
GI	none	Score	102
Exons	2153..2272, 2171..2275, 2188..2277, 2391..2519, 2399..2518		
Seq. No.	8480	Seq. ID	OJ990621_04.9C03.C17
Gene No.	18053	Strand	+

Start	2171	End	2519
Name	OJ990621_04.9C03.C17.o1.gs	Method	GENSCAN
Start	2171	End	2519
GI	none	Score	.95
Exons	2171..2276, 2395..2519		

Seq. No.	8481	Seq. ID	OJ990621_04.9C03.C18
Gene No.	18054	Strand	+
Start	220	End	4512
Name	OJ990621_04.9C03.C18.o1.gs	Method	GENSCAN
Start	220	End	4512
GI	none	Score	.71
Exons	220..230, 638..731, 2356..2385, 2457..2570, 4116..4279, 4332..4512		

Seq. No.	8482	Seq. ID	OJ990621_04.9C03.C19
Gene No.	18055	Strand	+
Start	18	End	1066
Name	OJ990621_04.9C03.C19.o1.gs	Method	GENSCAN
Start	18	End	1066
GI	none	Score	.82
Exons	18..109, 542..584, 646..805, 1012..1066		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o2.np	Method	AAT/NAP
Start	1	End	9160
GI	6714302	Score	104
Exons	1..32, 4642..4667, 4714..4801, 5277..5349, 6594..6731, 9088..9160		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o1.gs	Method	GENSCAN
Start	152	End	8571
GI	none	Score	.45
Exons	152..241, 2191..2290, 3492..3738, 3785..4047, 4138..4267, 4652..4667, 4714..4787, 8103..8217, 8230..8379, 8455..8571		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o1.gp	Method	AAT/GAP
Start	3618	End	4053
GI	3761372	Score	814
Exons	3618..4053		
GI Descrip.	1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o1.np	Method	AAT/NAP
Start	3916	End	6339

GI	5823335	Score	360
Exons	3916..4051, 4145..4267, 5444..5521, 6321..6339		
GI Descrip.	(AF176001) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o2.gp	Method	AAT/GAP
Start	4953	End	5704
GI	LIB3432-013-P1-K1-E3	Score	844
Exons	4953..5345, 5624..5704		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18056	Strand	+
Start	1	End	9160
Name	OJ990621_04.9C03.C20.o4.np	Method	AAT/NAP
Start	8127	End	9160
GI	6721512	Score	112
Exons	8127..8229, 8257..8328, 9096..9160		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18057	Strand	-
Start	3534	End	5737
Name	OJ990621_04.9C03.C20.o3.np	Method	AAT/NAP
Start	3534	End	5737
GI	133446	Score	460
Exons	3534..3606, 5392..5737		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	3866	End	4270
GI	none	Score	59
Exons	3866..4048, 3916..3942, 3948..4061, 4136..4261, 4137..4268, 4148..4270		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	3894	End	4270
GI	none	Score	71
Exons	3894..3959, 3895..3945, 3939..4046, 3947..4060, 3948..4061, 4136..4270, 4137..4268		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20

Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	3909	End	4270
GI	none	Score	50
Exons	3909..3959, 3916..3942, 3939..4061, 3941..4051, 4136..4270, 4137..4268		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	3915	End	4969
GI	none	Score	137
Exons	3915..3959, 3918..4061, 3956..4048, 4121..4264, 4133..4270, 4134..4268, 4813..4869, 4934..4969		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o2.tc	Method	TBLASTX:Cress
Start	5431	End	5687
GI	none	Score	160
Exons	5431..5646, 5433..5687, 5440..5622		

Seq. No.	8483	Seq. ID	OJ990621_04.9C03.C20
Gene No.	18058	Strand	-
Start	6010	End	6506
Name	OJ990621_04.9C03.C20.o3.gp	Method	AAT/GAP
Start	6010	End	6506
GI	none	Score	956
Exons	6010..6506		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18059	Strand	+
Start	1862	End	2182
Name	OJ990621_04.9C03.C21.o1.gs	Method	GENSCAN
Start	1862	End	2182
GI	none	Score	.49
Exons	1862..2182		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18060	Strand	+
Start	13494	End	16973
Name	OJ990621_04.9C03.C21.o1.gp	Method	AAT/GAP
Start	13494	End	16973
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	13494..13556, 16944..16973		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18061	Strand	+
Start	21141	End	24402
Name	OJ990621_04.9C03.C21.o2.np	Method	AAT/NAP
Start	20933	End	24402

GI	6689616	Score	196
Exons	20933..20995, 22101..22594, 24382..24402		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18061	Strand	+
Start	21141	End	24402
Name	OJ990621_04.9C03.C21.o3.gs	Method	GENSCAN
Start	21141	End	22522
GI	none	Score	.72
Exons	21141..21223, 21636..21841, 22104..22522		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18062	Strand	-
Start	2655	End	18933
Name	OJ990621_04.9C03.C21.o2.gs	Method	GENSCAN
Start	2655	End	18933
GI	none	Score	.41
Exons	2655..2952, 4824..4852, 5274..5478, 6385..6410, 7247..7422, 7847..7868, 8635..8693, 9430..9579, 12171..12263, 16548..16658, 17774..17900, 18931..18933		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18062	Strand	-
Start	2655	End	18933
Name	OJ990621_04.9C03.C21.o1.np	Method	AAT/NAP
Start	4802	End	17858
GI	3892712	Score	565
Exons	4802..4852, 8635..8693, 9430..9579, 12171..12263, 16548..16658, 17774..17858		
GI Descrip.	(AL033545) adenine phosphoribosyltransferase (EC 2.4.2.7)-like protein [Arabidopsis thaliana]		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	4805	End	12261
GI	none	Score	71
Exons	4805..4843, 8635..8694, 9431..9580, 9441..9581, 12158..12259, 12169..12261		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	8635	End	17846
GI	none	Score	134
Exons	8635..8694, 9431..9580, 12158..12268, 12169..12267, 16546..16659, 16547..16660, 17772..17846, 17773..17844		

Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	8635	End	17834
GI	none	Score	81

Exons	8635..8694, 9431..9580, 9440..9577, 9507..9617, 12158..12268, 12169..12267, 17772..17834		
Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	8635	End	17837
GI	none	Score	84
Exons	8635..8694, 9431..9580, 9432..9593, 12158..12268, 12169..12267, 12187..12276, 16544..16660, 16546..16662, 17772..17837		
Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	22102	End	22389
GI	none	Score	51
Exons	22102..22134, 22103..22135, 22159..22260, 22168..22248, 22191..22253, 22249..22389, 22251..22388		
Seq. No.	8484	Seq. ID	OJ990621_04.9C03.C21
Gene No.	18063	Strand	-
Start	23107	End	23298
Name	OJ990621_04.9C03.C21.o4.gs	Method	GENSCAN
Start	23107	End	23298
GI	none	Score	.95
Exons	23107..23298		
Seq. No.	8485	Seq. ID	OJ990621_04.9C03.C22
Gene No.	18064	Strand	+
Start	323	End	547
Name	OJ990621_04.9C03.C22.o1.gs	Method	GENSCAN
Start	323	End	547
GI	none	Score	.81
Exons	323..547		
Seq. No.	8485	Seq. ID	OJ990621_04.9C03.C22
Gene No.	18065	Strand	-
Start	5401	End	5796
Name	OJ990621_04.9C03.C22.o3.gs	Method	GENSCAN
Start	5401	End	5796
GI	none	Score	.97
Exons	5401..5796		
Seq. No.	8486	Seq. ID	OJ990621_04.9C03.C24
Gene No.	18066	Strand	-
Start	1	End	300
Name	OJ990621_04.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	300
GI	6498441	Score	519
Exons	1..300		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	8486	Seq. ID	OJ990621_04.9C03.C24

Gene No.	18066	Strand	-
Start	1	End	300
Name	OJ990621_04.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	35	End	298
GI	none	Score	167
Exons	35..298		

Seq. No.	8486	Seq. ID	OJ990621_04.9C03.C24
Gene No.	18066	Strand	-
Start	1	End	300
Name	OJ990621_04.9C03.C24.o1.gs	Method	GENSCAN
Start	65	End	298
GI	none	Score	.54
Exons	65..196, 249..298		

Seq. No.	8487	Seq. ID	OJ990621_04.9C03.C26
Gene No.	18067	Strand	-
Start	91	End	609
Name	OJ990621_04.9C03.C26.o1.gs	Method	GENSCAN
Start	91	End	609
GI	none	Score	.79
Exons	91..264, 334..430, 538..609		

Seq. No.	8488	Seq. ID	OJ990621_04.9C03.C28
Gene No.	18068	Strand	+
Start	28	End	128
Name	OJ990621_04.9C03.C28.o1.gs	Method	GENSCAN
Start	28	End	128
GI	none	Score	.46
Exons	28..128		

Seq. No.	8489	Seq. ID	OJ990621_04.9C03.C29
Gene No.	18069	Strand	+
Start	1057	End	1320
Name	OJ990621_04.9C03.C29.o1.gs	Method	GENSCAN
Start	1057	End	1320
GI	none	Score	.96
Exons	1057..1320		

Seq. No.	8490	Seq. ID	OJ990621_04.9C03.C30
Gene No.	18070	Strand	+
Start	303	End	633
Name	OJ990621_04.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	633
GI	none	Score	78
Exons	1..54, 321..377, 322..582, 386..484, 420..572, 568..633		

Seq. No.	8490	Seq. ID	OJ990621_04.9C03.C30
Gene No.	18070	Strand	+
Start	303	End	633
Name	OJ990621_04.9C03.C30.o1.np	Method	AAT/NAP
Start	303	End	618
GI	5734728	Score	192
Exons	303..618		
GI Descrip.	(AC007259) Very similar to receptor-like protein kinases [Arabidopsis thaliana]		

Seq. No.	8490	Seq. ID	OJ990621_04.9C03.C30
Gene No.	18070	Strand	+
Start	303	End	633
Name	OJ990621_04.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	313	End	542
GI	none	Score	191
Exons	313..534, 321..374, 429..542		

Seq. No.	8490	Seq. ID	OJ990621_04.9C03.C30
Gene No.	18070	Strand	+
Start	303	End	633
Name	OJ990621_04.9C03.C30.o1.gs	Method	GENSCAN
Start	463	End	617
GI	none	Score	.64
Exons	463..617		

Seq. No.	8491	Seq. ID	OJ990621_04.9C03.C31
Gene No.	18071	Strand	+
Start	66	End	524
Name	OJ990621_04.9C03.C31.o1.gs	Method	GENSCAN
Start	66	End	524
GI	none	Score	.67
Exons	66..524		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	5257279	Score	1658
Exons	1..1035		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.tw	Method	TBLASTX:Wheat
Start	27	End	530
GI	none	Score	267
Exons	27..530, 118..495, 272..502		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.gs	Method	GENSCAN
Start	110	End	974
GI	none	Score	.83
Exons	110..974		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.gp	Method	AAT/GAP
Start	194	End	1035
GI	4107139	Score	1560
Exons	194..1035		

GI Descrip. 5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	219	End	660
GI	none	Score	117
Exons	219..659, 231..482, 232..660		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o2.ts	Method	TBLASTX:Soybean
Start	279	End	524
GI	none	Score	209
Exons	279..524		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o2.tw	Method	TBLASTX:Wheat
Start	531	End	833
GI	none	Score	258
Exons	531..833, 547..831, 597..833		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o1.ts	Method	TBLASTX:Soybean
Start	546	End	941
GI	none	Score	232
Exons	546..905, 547..903, 576..911, 752..910, 909..941		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o2.tm	Method	TBLASTX:Maize
Start	660	End	995
GI	none	Score	80
Exons	660..785, 664..744, 816..995, 825..893		

Seq. No.	8492	Seq. ID	OJ990621_04.9C03.C34
Gene No.	18072	Strand	-
Start	1	End	1035
Name	OJ990621_04.9C03.C34.o3.tw	Method	TBLASTX:Wheat
Start	834	End	1005
GI	none	Score	110
Exons	834..1004, 840..1004, 880..1005		

Seq. No.	8493	Seq. ID	OJ990621_04.9C03.C35
Gene No.	18073	Strand	+
Start	1	End	94
Name	OJ990621_04.9C03.C35.o1.np	Method	AAT/NAP
Start	1	End	94
GI	5922634	Score	102

Exons	1..94		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	8494	Seq. ID	OJ990621_04.9C03.C36
Gene No.	18074	Strand	-
Start	555	End	633
Name	OJ990621_04.9C03.C36.o1.gs	Method	GENSCAN
Start	555	End	633
GI	none	Score	.68
Exons	555..633		
Seq. No.	8495	Seq. ID	OJ990621_04.9C03.C37
Gene No.	18075	Strand	+
Start	227	End	1503
Name	OJ990621_04.9C03.C37.o1.gs	Method	GENSCAN
Start	227	End	1503
GI	none	Score	.49
Exons	227..267, 640..694, 741..849, 1436..1503		
Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+
Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.np	Method	AAT/NAP
Start	1	End	663
GI	6523069	Score	406
Exons	1..663		
GI Descrip.	(AL133314) glucosyltransferase-like protein [Arabidopsis thaliana]		
Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+
Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.gs	Method	GENSCAN
Start	25	End	699
GI	none	Score	1
Exons	25..699		
Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+
Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.tc	Method	TBLASTX:Cress
Start	52	End	647
GI	none	Score	167
Exons	52..246, 111..224, 310..546, 342..545, 606..647		
Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+
Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.ts	Method	TBLASTX:Soybean
Start	52	End	521
GI	none	Score	147
Exons	52..231, 81..224, 310..501, 310..501, 315..521		
Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+

Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.tm	Method	TBLASTX:Maize
Start	69	End	614
GI	none	Score	144
Exons	69..224, 85..246, 85..249, 309..614, 310..546		

Seq. No.	8496	Seq. ID	OJ990621_04.9C03.C39
Gene No.	18076	Strand	+
Start	1	End	699
Name	OJ990621_04.9C03.C39.o1.tw	Method	TBLASTX:Wheat
Start	85	End	482
GI	none	Score	122
Exons	85..237, 90..221, 118..222, 304..474, 304..477, 309..482		

Seq. No.	8497	Seq. ID	OJ990621_04.9C03.C40
Gene No.	18077	Strand	+
Start	108	End	462
Name	OJ990621_04.9C03.C40.o1.tc	Method	TBLASTX:Cress
Start	1	End	148
GI	none	Score	199
Exons	1..147, 2..148, 3..146, 29..148		

Seq. No.	8497	Seq. ID	OJ990621_04.9C03.C40
Gene No.	18077	Strand	+
Start	108	End	462
Name	OJ990621_04.9C03.C40.o1.gs	Method	GENSCAN
Start	108	End	303
GI	none	Score	.5
Exons	108..303		

Seq. No.	8497	Seq. ID	OJ990621_04.9C03.C40
Gene No.	18077	Strand	+
Start	108	End	462
Name	OJ990621_04.9C03.C40.o1.np	Method	AAT/NAP
Start	108	End	462
GI	2126090	Score	573
Exons	108..462		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	8498	Seq. ID	OJ990721_09.9C03.C1
Gene No.	18078	Strand	-
Start	1	End	752
Name	OJ990721_09.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	178
GI	3402754	Score	192
Exons	1..178		
GI Descrip.	(AL031187) putative protein [Arabidopsis thaliana]		

Seq. No.	8498	Seq. ID	OJ990721_09.9C03.C1
Gene No.	18078	Strand	-
Start	1	End	752
Name	OJ990721_09.9C03.C1.o1.tm	Method	TBLASTX:Maize

Start	2	End	190
GI	none	Score	51
Exons	2..46, 6..164, 29..190, 125..166		

Seq. No.	8498	Seq. ID	OJ990721_09.9C03.C1
Gene No.	18078	Strand	-
Start	1	End	752
Name	OJ990721_09.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	3	End	173
GI	none	Score	152
Exons	3..173, 32..163		

Seq. No.	8498	Seq. ID	OJ990721_09.9C03.C1
Gene No.	18078	Strand	-
Start	1	End	752
Name	OJ990721_09.9C03.C1.o1.gs	Method	GENSCAN
Start	38	End	752
GI	none	Score	.69
Exons	38..321, 578..752		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18079	Strand	+
Start	449	End	1178
Name	OJ990721_09.9C03.C2.o1.gs	Method	GENSCAN
Start	449	End	1178
GI	none	Score	.41
Exons	449..635, 702..1178		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18080	Strand	+
Start	1933	End	2528
Name	OJ990721_09.9C03.C2.o2.gs	Method	GENSCAN
Start	1933	End	2528
GI	none	Score	.73
Exons	1933..2095, 2210..2403, 2424..2528		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18081	Strand	+
Start	9690	End	10277
Name	OJ990721_09.9C03.C2.o4.gs	Method	GENSCAN
Start	9690	End	10277
GI	none	Score	.99
Exons	9690..10277		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18082	Strand	+
Start	12578	End	17156
Name	OJ990721_09.9C03.C2.o5.gs	Method	GENSCAN
Start	12578	End	17156
GI	none	Score	.41
Exons	12578..12952, 12987..13078, 13469..13527, 13880..13946, 14196..14254, 14556..14611, 15563..15709, 15892..16180, 16418..16581, 17085..17156		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18083	Strand	+
Start	20218	End	20987

Name	OJ990721_09.9C03.C2.o6.gs	Method	GENSCAN
Start	20218	End	20987
GI	none	Score	1
Exons	20218..20374, 20572..20987		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18084	Strand	+
Start	26529	End	31027
Name	OJ990721_09.9C03.C2.o8.gs	Method	GENSCAN
Start	26529	End	31027
GI	none	Score	.91
Exons	26529..26600, 26863..28259, 28548..28758, 30430..30635, 30841..31027		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18084	Strand	+
Start	26529	End	31027
Name	OJ990721_09.9C03.C2.o1.np	Method	AAT/NAP
Start	27276	End	28863
GI	6706414	Score	926
Exons	27276..28863		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18084	Strand	+
Start	26529	End	31027
Name	OJ990721_09.9C03.C2.o2.np	Method	AAT/NAP
Start	30033	End	31024
GI	3831471	Score	351
Exons	30033..30131, 30430..30635, 30841..31024		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18085	Strand	-
Start	21032	End	23932
Name	OJ990721_09.9C03.C2.o1.gp	Method	AAT/GAP
Start	21032	End	23537
GI	15051_1.R1084	Score	1918
Exons	21032..21691, 22206..22376, 22462..22531, 22636..22701, 23479..23537		
GI Descrip.	'2244797/emb|CAB10220.1| 6.0e-34 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18085	Strand	-
Start	21032	End	23932
Name	OJ990721_09.9C03.C2.o7.gs	Method	GENSCAN
Start	21395	End	23932
GI	none	Score	.88
Exons	21395..21523, 21623..21691, 22206..22368, 22636..22701, 23479..23722, 23893..23932		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18086	Strand	-
Start	29640	End	30222
Name	OJ990721_09.9C03.C2.o2.gp	Method	AAT/GAP
Start	29640	End	30222

GI	none	Score	940
Exons	29640..30134, 30189..30222		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	2002	End	20762
GI	none	Score	105
Exons	2002..2094, 2208..2408, 2209..2406, 6008..6298, 6034..6300, 9794..10066, 9798..10064, 12665..12943, 12685..12954, 20260..20373, 20567..20755, 20571..20762		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	2002	End	20777
GI	none	Score	115
Exons	2002..2091, 2208..2408, 2209..2406, 2311..2412, 6006..6149, 6008..6298, 6009..6128, 6031..6300, 9791..9916, 9794..10066, 9798..10064, 12665..12943, 12685..12954, 20266..20370, 20567..20752, 20568..20777		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	2047	End	20764
GI	none	Score	41
Exons	2047..2088, 2209..2406, 2229..2405, 2518..2562, 6052..6348, 6053..6349, 9818..10063, 9819..10064, 12709..12957, 12710..12943, 20564..20764, 20565..20762		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o4.tc	Method	TBLASTX:Cress
Start	2209	End	20771
GI	none	Score	203
Exons	2209..2406, 2235..2408, 6035..6325, 6076..6324, 9801..10064, 9842..10066, 12692..12943, 12721..12954, 20571..20771, 20585..20770		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	21153	End	23577
GI	none	Score	68
Exons	21153..21200, 21154..21198, 21393..21524, 21395..21532, 21395..21532, 21396..21533, 21533..21700, 22188..22370, 22206..22370, 22255..22371, 22435..22506, 22441..22506, 22616..22702, 22636..22665, 22673..22702, 23479..23577, 23481..23576		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2

Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o5.tc	Method	TBLASTX:Cress
Start	21425	End	22527
GI	none	Score	66
Exons	21425..21499, 21425..21499, 21429..21506, 21605..21700, 22188..22370, 22215..22367, 22258..22371, 22441..22527		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	21560	End	22530
GI	none	Score	109
Exons	21560..21700, 22188..22370, 22206..22367, 22223..22369, 22258..22371, 22435..22530		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	27211	End	28611
GI	none	Score	75
Exons	27211..27414, 27253..27414, 27463..27744, 27484..27765, 27499..27834, 27742..28059, 27865..28035, 27865..28611, 27940..28140, 28188..28268		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	27253	End	28137
GI	none	Score	90
Exons	27253..27414, 27256..27405, 27259..27423, 27481..27726, 27486..27662, 27487..27663, 27502..27711, 27525..27707, 27592..28032, 27742..27972, 27834..27992, 27898..28137, 28036..28134		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	27280	End	28172
GI	none	Score	94
Exons	27280..27420, 27481..27831, 27697..28167, 27840..28172		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o6.ts	Method	TBLASTX:Soybean
Start	27280	End	28092
GI	none	Score	77
Exons	27280..27405, 27481..27663, 27583..27966, 27589..27765, 27886..28092, 27888..27971		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-

Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	28105	End	28641
GI	none	Score	316
Exons	28105..28641, 28161..28349		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	28333	End	28868
GI	none	Score	388
Exons	28333..28866, 28612..28863, 28659..28868		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	28612	End	28866
GI	none	Score	243
Exons	28612..28866, 28630..28863, 28659..28865		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	28650	End	28866
GI	none	Score	243
Exons	28650..28865, 28651..28866		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	30427	End	30973
GI	none	Score	193
Exons	30427..30636, 30427..30636, 30836..30973, 30852..30959		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o9.gs	Method	GENSCAN
Start	31960	End	34990
GI	none	Score	.89
Exons	31960..32298, 32434..32637, 32897..32973, 33117..33138, 33438..33591, 34890..34990		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o3.np	Method	AAT/NAP
Start	31986	End	34981
GI	1076634	Score	776
Exons	31986..32298, 32434..32637, 32897..32968, 33053..33121, 33229..33369, 33438..33591, 34668..34981		
GI Descrip.	protein-serine/threonine kinase NPK15 - common tobacco gi|505146|dbj|BAA06538| (D31737) protein-serine/threonine kinase		

[Nicotiana tabacum]

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	32093	End	32943
GI	none	Score	96
Exons	32093..32296, 32094..32189, 32094..32297, 32104..32280, 32122..32298, 32226..32297, 32432..32638, 32434..32640, 32435..32638, 32853..32942, 32879..32941, 32896..32943, 32896..32943		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	32119	End	33557
GI	none	Score	77
Exons	32119..32262, 32470..32601, 32879..32971, 33056..33121, 33238..33372, 33266..33370, 33435..33557, 33436..33555		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	32134	End	33557
GI	none	Score	90
Exons	32134..32268, 32464..32583, 32465..32578, 32864..32962, 33056..33151, 33241..33372, 33435..33557		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	32434	End	33121
GI	none	Score	185
Exons	32434..32640, 32438..32638, 32879..32959, 33050..33121		

Seq. No.	8499	Seq. ID	OJ990721_09.9C03.C2
Gene No.	18087	Strand	-
Start	31960	End	34990
Name	OJ990721_09.9C03.C2.o6.tc	Method	TBLASTX:Cress
Start	33244	End	33564
GI	none	Score	59
Exons	33244..33372, 33257..33343, 33435..33554, 33436..33564		

Seq. No.	8500	Seq. ID	OJ990721_09.9C03.C3
Gene No.	18088	Strand	+
Start	1531	End	1831
Name	OJ990721_09.9C03.C3.o1.gs	Method	GENSCAN
Start	1531	End	1831
GI	none	Score	.59
Exons	1531..1560, 1622..1831		

Seq. No.	8500	Seq. ID	OJ990721_09.9C03.C3
Gene No.	18089	Strand	-

Start	2150	End	6778
Name	OJ990721_09.9C03.C3.o2.gs	Method	GENSCAN
Start	2150	End	6778
GI	none	Score	.41
Exons	2150..2275, 3676..3802, 6465..6778		

Seq. No.	8500	Seq. ID	OJ990721_09.9C03.C3
Gene No.	18090	Strand	-
Start	7919	End	8221
Name	OJ990721_09.9C03.C3.o3.gs	Method	GENSCAN
Start	7919	End	8221
GI	none	Score	.42
Exons	7919..8062, 8147..8221		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18091	Strand	+
Start	417	End	1031
Name	OJ990721_09.9C03.C4.o1.gs	Method	GENSCAN
Start	417	End	1031
GI	none	Score	.5
Exons	417..458, 587..739, 801..1031		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18092	Strand	+
Start	6805	End	6952
Name	OJ990721_09.9C03.C4.o3.np	Method	AAT/NAP
Start	6805	End	6952
GI	544423	Score	57
Exons	6805..6952		
GI Descrip.	GLYCINE-RICH RNA-BINDING PROTEIN 2 gi|485421|pir||S12312 glycine-rich RNA-binding protein (clone S2) - sorghum gi|21625|emb|CAA40862| (X57662) glycine-rich RNA-binding protein [Sorghum bicolor]		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18093	Strand	-
Start	485	End	3850
Name	OJ990721_09.9C03.C4.o1.gp	Method	AAT/GAP
Start	485	End	3850
GI	5613_1.R1084	Score	1428
Exons	485..910, 2489..2595, 2682..2750, 3688..3850		
GI Descrip.	'4056507 9.0e-23 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18093	Strand	-
Start	485	End	3850
Name	OJ990721_09.9C03.C4.o1.np	Method	AAT/NAP
Start	791	End	3799
GI	6598438	Score	160
Exons	791..910, 2489..2595, 2682..2750, 3688..3799		
GI Descrip.	(AC004684) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18093	Strand	-
Start	485	End	3850
Name	OJ990721_09.9C03.C4.o2.gs	Method	GENSCAN

Start	1431	End	3811
GI	none	Score	.56
Exons	1431..1538, 2489..2595, 2682..2750, 3541..3636, 3688..3811		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18094	Strand	-
Start	5509	End	7026
Name	OJ990721_09.9C03.C4.o2.gp	Method	AAT/GAP
Start	4962	End	7007
GI	3241_1.R1084	Score	2301
Exons	4962..5423, 5508..5684, 5778..5843, 5936..6033, 6588..7007		
GI Descrip.	'6014904/sp|Q38732|DAG_ANTMA 2.0e-71 DAG PROTEIN, CHLOROPLAST PRECURSOR >gi_1200205_emb_CAA65064_ (X95753) DAG [Antirrhinum majus]'		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18094	Strand	-
Start	5509	End	7026
Name	OJ990721_09.9C03.C4.o3.gs	Method	GENSCAN
Start	5509	End	6937
GI	none	Score	.97
Exons	5509..5684, 5778..5843, 5936..6033, 6588..6937		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18094	Strand	-
Start	5509	End	7026
Name	OJ990721_09.9C03.C4.o2.np	Method	AAT/NAP
Start	5515	End	7026
GI	6554182	Score	641
Exons	5515..5684, 5778..5843, 5936..6033, 6588..6730, 6810..7026		
GI Descrip.	(AC011661) T23J18.10 [Arabidopsis thaliana]		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	601	End	3791
GI	none	Score	62
Exons	601..681, 604..687, 779..913, 780..911, 2489..2596, 2532..2597, 2683..2754, 2684..2761, 3687..3791, 3699..3791		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	854	End	2776
GI	none	Score	64
Exons	854..913, 855..911, 2489..2596, 2489..2596, 2532..2600, 2689..2754, 2690..2776		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	5491	End	6734
GI	none	Score	81
Exons	5491..5571, 5512..5685, 5543..5686, 5574..5693, 5627..5686,		

5764..5832, 5766..5828, 5777..5845, 5780..5830, 5931..6035,
5934..6035, 5935..6036, 5936..6037, 6540..6710, 6572..6733,
6588..6734

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	5635	End	6731
GI	none	Score	59
Exons	5635..5685, 5648..5686, 5732..5845, 5776..5814, 5931..6035, 5934..6035, 5935..6036, 6572..6694, 6572..6730, 6588..6731		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	5931	End	6731
GI	none	Score	92
Exons	5931..6035, 5933..6040, 5934..6035, 5935..6036, 5936..6037, 6543..6731, 6572..6730		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o3.gp	Method	AAT/GAP
Start	9651	End	10074
GI	21186_1.R1084	Score	753
Exons	9651..10074		
GI Descrip.	'5031275/gb|AAD38143.1|AF139496_1 1.0e-90 (AF139496) unknown [Prunus armeniaca]'		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	9786	End	10073
GI	none	Score	283
Exons	9786..10073, 9803..10072		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o4.np	Method	AAT/NAP
Start	9833	End	10074
GI	5031275	Score	339
Exons	9833..10074		
GI Descrip.	(AF139496) unknown [Prunus armeniaca]		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	9836	End	10065
GI	none	Score	227
Exons	9836..10063, 9840..10064, 9844..10065		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	9838	End	10064
GI	none	Score	116
Exons	9838..10059, 9839..10057, 9848..10060, 9849..10061, 9874..10062, 9930..10064		

Seq. No.	8501	Seq. ID	OJ990721_09.9C03.C4
Gene No.	18095	Strand	-
Start	9651	End	10074
Name	OJ990721_09.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	9839	End	10064
GI	none	Score	263
Exons	9839..10063, 9840..10064, 9843..10064		

Seq. No.	8502	Seq. ID	OJ990721_09.9C03.C5
Gene No.	18096	Strand	-
Start	103	End	201
Name	OJ990721_09.9C03.C5.o1.gp	Method	AAT/GAP
Start	103	End	201
GI	21186_1.R1084	Score	105
Exons	103..201		
GI Descrip.	'5031275/gb|AAD38143.1|AF139496_1 1.0e-90 (AF139496) unknown [Prunus armeniaca]'		

Seq. No.	8502	Seq. ID	OJ990721_09.9C03.C5
Gene No.	18097	Strand	-
Start	11235	End	11770
Name	OJ990721_09.9C03.C5.o1.np	Method	AAT/NAP
Start	11235	End	11770
GI	3402754	Score	346
Exons	11235..11770		
GI Descrip.	(AL031187) putative protein [Arabidopsis thaliana]		

Seq. No.	8502	Seq. ID	OJ990721_09.9C03.C5
Gene No.	18097	Strand	-
Start	11235	End	11770
Name	OJ990721_09.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	11247	End	11618
GI	none	Score	102
Exons	11247..11402, 11248..11511, 11250..11618, 11583..11618		

Seq. No.	8502	Seq. ID	OJ990721_09.9C03.C5
Gene No.	18097	Strand	-
Start	11235	End	11770
Name	OJ990721_09.9C03.C5.o2.gp	Method	AAT/GAP
Start	11451	End	11770
GI	5004702	Score	627
Exons	11451..11770		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18098	Strand	+
Start	325	End	508
Name	OJ990721_09.9C03.C6.o1.gs	Method	GENSCAN
Start	325	End	508

GI	none	Score	.75
Exons	325..339, 473..508		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18099	Strand	+
Start	18848	End	21005
Name	OJ990721_09.9C03.C6.o4.np	Method	AAT/NAP
Start	18299	End	19737
GI	6907088	Score	1045
Exons	18299..18436, 18612..18850, 19350..19737		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18099	Strand	+
Start	18848	End	21005
Name	OJ990721_09.9C03.C6.o5.gs	Method	GENSCAN
Start	18848	End	20129
GI	none	Score	.79
Exons	18848..18850, 19683..20129		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18099	Strand	+
Start	18848	End	21005
Name	OJ990721_09.9C03.C6.o5.np	Method	AAT/NAP
Start	19722	End	21005
GI	5734635	Score	401
Exons	19722..19831, 19884..20138, 20328..21005		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18100	Strand	-
Start	2989	End	6820
Name	OJ990721_09.9C03.C6.o2.gs	Method	GENSCAN
Start	2989	End	6820
GI	none	Score	.85
Exons	2989..3032, 5899..6120, 6445..6820		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	9748	End	10050
GI	none	Score	270
Exons	9748..10050, 9769..10041		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o1.gp	Method	AAT/GAP
Start	12541	End	13752
GI	2277_1.R1084	Score	951
Exons	12541..12983, 13671..13752		
GI Descrip.	'4733937/gb|AAC31570.2| 3.0e-10 (AF080245) sesquiterpene synthase [Elaeis oleifera]'		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-

Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o3.np	Method	AAT/NAP
Start	12684	End	16311
GI	5802576	Score	708
Exons	12684..12973, 13667..13831, 14205..14515, 14989..15364, 15721..15957, 16144..16311		
GI Descrip.	(AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	12687	End	14157
GI	none	Score	62
Exons	12687..12755, 12855..12920, 12906..12986, 13671..13868, 13672..13770, 13810..13845, 13881..13931, 13882..13929, 14015..14086, 14017..14157		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o4.gs	Method	GENSCAN
Start	12687	End	15940
GI	none	Score	.56
Exons	12687..12983, 13671..13931, 14020..14155, 14297..14515, 14989..15364, 15721..15940		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o2.gp	Method	AAT/GAP
Start	13885	End	14515
GI	LIB3431-042-P1-K1-A2	Score	747
Exons	13885..13931, 14020..14155, 14297..14515		
GI Descrip.	'4733937/gb|AAC31570.2| 3.0e-32 (AF080245) sesquiterpene synthase [Elaeis oleifera]'		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	14050	End	15176
GI	none	Score	96
Exons	14050..14157, 14296..14526, 14296..14514, 14976..15176		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6
Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	14296	End	16227
GI	none	Score	80
Exons	14296..14403, 14404..14514, 14405..14485, 14985..15194, 14986..15201, 15192..15293, 15315..15365, 15315..15365, 15696..15773, 15718..15780, 15725..15856, 15803..15991, 15858..15992, 16171..16227		

Seq. No.	8503	Seq. ID	OJ990721_09.9C03.C6

Gene No.	18101	Strand	-
Start	12541	End	16394
Name	OJ990721_09.9C03.C6.o3.gp	Method	AAT/GAP
Start	14895	End	16394
GI	92055_1.R1084	Score	1854
Exons	14895..15364, 15721..15991, 16174..16394		
GI Descrip.	'5802576/gb|AAD51718.1| 5.0e-50 (AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]'		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18102	Strand	-
Start	74	End	4649
Name	OJ990721_09.9C03.C7.o1.np	Method	AAT/NAP
Start	74	End	4649
GI	4680179	Score	4536
Exons	74..3490, 3593..4649		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	118	End	454
GI	none	Score	111
Exons	118..453, 139..288, 182..454		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o9.tm	Method	TBLASTX:Maize
Start	133	End	291
GI	none	Score	59
Exons	133..291, 182..259		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	301	End	894
GI	none	Score	66
Exons	301..396, 301..738, 311..520, 596..736, 736..894, 743..886		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	457	End	1077
GI	none	Score	249
Exons	457..1077, 575..1021		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	946	End	1238
GI	none	Score	236
Exons	946..1236, 950..1225, 1104..1238		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	1036	End	1291
GI	none	Score	182
Exons	1036..1284, 1037..1291		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	1060	End	1377
GI	none	Score	101
Exons	1060..1203, 1076..1201, 1204..1356, 1204..1377		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	1084	End	1609
GI	none	Score	265
Exons	1084..1506, 1088..1456, 1469..1609		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	1652	End	2005
GI	none	Score	222
Exons	1652..2005, 1704..2003		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	1652	End	2078
GI	none	Score	120
Exons	1652..2077, 1654..2016, 1667..2020, 1689..2078		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	1826	End	2071
GI	none	Score	213
Exons	1826..2071		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	2012	End	2359
GI	none	Score	104
Exons	2012..2359, 2013..2216		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o6.tw	Method	TBLASTX:Wheat
Start	2083	End	2380
GI	none	Score	62
Exons	2083..2313, 2084..2380, 2088..2336		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	2093	End	2488
GI	none	Score	159
Exons	2093..2452, 2094..2336, 2402..2452, 2456..2488, 2456..2488		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	2375	End	2842
GI	none	Score	130
Exons	2375..2842, 2412..2771		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	2429	End	2912
GI	none	Score	163
Exons	2429..2911, 2438..2896, 2457..2912		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o8.tm	Method	TBLASTX:Maize
Start	2843	End	3046
GI	none	Score	158
Exons	2843..3001, 2844..2990, 2987..3046		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o8.tw	Method	TBLASTX:Wheat
Start	3100	End	3455
GI	none	Score	87
Exons	3100..3225, 3105..3221, 3234..3455, 3301..3411, 3402..3449		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o7.tm	Method	TBLASTX:Maize
Start	3138	End	3462
GI	none	Score	63
Exons	3138..3461, 3349..3462		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7

Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o6.tm	Method	TBLASTX:Maize
Start	3771	End	4172
GI	none	Score	235
Exons	3771..4172		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o7.tw	Method	TBLASTX:Wheat
Start	4053	End	4430
GI	none	Score	265
Exons	4053..4430		

Seq. No.	8504	Seq. ID	OJ990721_09.9C03.C7
Gene No.	18103	Strand	-
Start	5140	End	5921
Name	OJ990721_09.9C03.C7.o2.np	Method	AAT/NAP
Start	5140	End	5921
GI	6002794	Score	1257
Exons	5140..5921		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.gs	Method	GENSCAN
Start	15	End	1076
GI	none	Score	.64
Exons	15..73, 628..706, 814..1076		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.np	Method	AAT/NAP
Start	605	End	1105
GI	5031275	Score	474
Exons	605..721, 814..1105		
GI Descrip.	(AF139496) unknown [Prunus armeniaca]		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	627	End	1005
GI	none	Score	89
Exons	627..722, 628..723, 628..723, 629..724, 813..1004, 814..1005		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.gp	Method	AAT/GAP
Start	628	End	1105
GI	21186_1.R1084	Score	665
Exons	628..721, 814..1105		
GI Descrip.	'5031275/gb|AAD38143.1|AF139496_1 1.0e-90 (AF139496) unknown		

[Prunus armeniaca]'

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	628	End	1079
GI	none	Score	68
Exons	628..723, 628..723, 629..724, 813..1034, 814..1038, 835..1068, 836..1069, 837..1079		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	628	End	1078
GI	none	Score	144
Exons	628..723, 629..724, 629..724, 809..958, 813..1034, 814..1038, 884..1078		

Seq. No.	8505	Seq. ID	OJ990721_09.9C03.C10
Gene No.	18104	Strand	+
Start	15	End	1105
Name	OJ990721_09.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	628	End	1076
GI	none	Score	151
Exons	628..723, 629..724, 813..1034, 814..1038, 820..1071, 849..1076		

Seq. No.	8506	Seq. ID	OJ990721_09.9C03.C16
Gene No.	18105	Strand	+
Start	267	End	327
Name	OJ990721_09.9C03.C16.o1.gp	Method	AAT/GAP
Start	267	End	327
GI	none	Score	118
Exons	267..327		

Seq. No.	8506	Seq. ID	OJ990721_09.9C03.C16
Gene No.	18106	Strand	-
Start	79	End	153
Name	OJ990721_09.9C03.C16.o1.gs	Method	GENSCAN
Start	79	End	153
GI	none	Score	.99
Exons	79..153		

Seq. No.	8507	Seq. ID	OJ990901_07.9C03.C4
Gene No.	18107	Strand	-
Start	1282	End	1363
Name	OJ990901_07.9C03.C4.o1.gs	Method	GENSCAN
Start	1282	End	1363
GI	none	Score	.49
Exons	1282..1363		

Seq. No.	8508	Seq. ID	OJ990901_07.9C03.C6
Gene No.	18108	Strand	+
Start	313	End	1039
Name	OJ990901_07.9C03.C6.o1.gs	Method	GENSCAN
Start	313	End	1039

GI	none	Score	.84
Exons	313..435, 857..1039		

Seq. No.	8509	Seq. ID	OJ990901_07.9C03.C8
Gene No.	18109	Strand	-
Start	460	End	1376
Name	OJ990901_07.9C03.C8.o1.gs	Method	GENSCAN
Start	460	End	1376
GI	none	Score	.78
Exons	460..543, 609..633, 1115..1376		

Seq. No.	8510	Seq. ID	OJ990901_07.9C03.C9
Gene No.	18110	Strand	+
Start	807	End	1043
Name	OJ990901_07.9C03.C9.o1.gs	Method	GENSCAN
Start	807	End	1043
GI	none	Score	.79
Exons	807..1043		

Seq. No.	8510	Seq. ID	OJ990901_07.9C03.C9
Gene No.	18111	Strand	-
Start	3164	End	3210
Name	OJ990901_07.9C03.C9.o2.gs	Method	GENSCAN
Start	3164	End	3210
GI	none	Score	.51
Exons	3164..3210		

Seq. No.	8511	Seq. ID	OJ990901_07.9C03.C13
Gene No.	18112	Strand	-
Start	1	End	441
Name	OJ990901_07.9C03.C13.o1.gp	Method	AAT/GAP
Start	1	End	441
GI	3107086	Score	684
Exons	1..300, 379..441		

Seq. No.	8512	Seq. ID	OJ990901_07.9C03.C14
Gene No.	18113	Strand	+
Start	1	End	617
Name	OJ990901_07.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	617
GI	4895169	Score	297
Exons	1..617		
GI Descrip.	(AC007662) putative helicase [Arabidopsis thaliana]		

Seq. No.	8512	Seq. ID	OJ990901_07.9C03.C14
Gene No.	18113	Strand	+
Start	1	End	617
Name	OJ990901_07.9C03.C14.o1.gs	Method	GENSCAN
Start	113	End	524
GI	none	Score	.45
Exons	113..524		

Seq. No.	8512	Seq. ID	OJ990901_07.9C03.C14
Gene No.	18113	Strand	+
Start	1	End	617
Name	OJ990901_07.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	157	End	601

GI	none	Score	76
Exons	157..210, 158..211, 227..313, 311..601, 350..601		

Seq. No.	8513	Seq. ID	OJ990901_07.9C03.C15
Gene No.	18114	Strand	+
Start	91	End	199
Name	OJ990901_07.9C03.C15.o1.gs	Method	GENSCAN
Start	91	End	199
GI	none	Score	.64
Exons	91..199		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18115	Strand	+
Start	14892	End	21256
Name	OJ990901_07.9C03.C16.o4.gs	Method	GENSCAN
Start	14892	End	20995
GI	none	Score	.53
Exons	14892..15710, 15867..16197, 16390..16527, 16567..16874, 16899..17336, 17379..17554, 17603..17990, 18159..18831, 18859..19232, 19452..19748, 19808..20243, 20448..20995		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18115	Strand	+
Start	14892	End	21256
Name	OJ990901_07.9C03.C16.o1.np	Method	AAT/NAP
Start	18168	End	21256
GI	5902445	Score	2997
Exons	18168..19979, 20019..21256		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18116	Strand	-
Start	1567	End	3668
Name	OJ990901_07.9C03.C16.o1.gs	Method	GENSCAN
Start	1567	End	3668
GI	none	Score	.54
Exons	1567..1667, 2609..2835, 2871..3223, 3399..3668		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18117	Strand	-
Start	4401	End	5543
Name	OJ990901_07.9C03.C16.o2.gs	Method	GENSCAN
Start	4401	End	5543
GI	none	Score	.99
Exons	4401..5543		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18118	Strand	-
Start	11041	End	13578
Name	OJ990901_07.9C03.C16.o2.tm	Method	TBLASTX:Maize
Start	2507	End	13578
GI	none	Score	117
Exons	2507..2635, 2637..2729, 2706..2813, 2820..2855, 4575..4661, 4683..4766, 4815..4883, 5010..5105, 5316..5396, 5397..5459, 7022..7267, 7023..7253, 7313..7579, 7344..7547, 7808..7960, 7976..8050, 12735..12821, 12843..12932, 12975..13043, 13170..13265, 13450..13530, 13531..13578		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18118	Strand	-
Start	11041	End	13578
Name	OJ990901_07.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	2513	End	13268
GI	none	Score	74
Exons	2513..2635, 2637..2726, 2706..2813, 2793..2855, 2858..2941, 4575..4661, 4683..4769, 4815..4883, 4819..4884, 4884..4976, 5010..5108, 7022..7267, 7023..7262, 7316..7579, 7344..7544, 12705..12821, 12843..12929, 12844..12915, 12975..13043, 12979..13044, 13044..13133, 13170..13268		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18118	Strand	-
Start	11041	End	13578
Name	OJ990901_07.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	2516	End	12920
GI	none	Score	113
Exons	2516..2635, 2706..2789, 4575..4661, 4683..4760, 7019..7267, 7020..7262, 7316..7393, 12705..12821, 12843..12920		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18118	Strand	-
Start	11041	End	13578
Name	OJ990901_07.9C03.C16.o1.gp	Method	AAT/GAP
Start	11041	End	11211
GI	533_1.R1084	Score	177
Exons	11041..11148, 11171..11211		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18119	Strand	
Start	16482	End	16883
Name	OJ990901_07.9C03.C16.o5.tm	Method	TBLASTX:Maize
Start	16482	End	16721
GI	none	Score	188
Exons	16482..16721		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18119	Strand	
Start	16482	End	16883
Name	OJ990901_07.9C03.C16.o7.tw	Method	TBLASTX:Wheat
Start	16485	End	16883
GI	none	Score	258
Exons	16485..16883, 16499..16537, 16610..16795		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18120	Strand	
Start	17466	End	17921
Name	OJ990901_07.9C03.C16.o4.tw	Method	TBLASTX:Wheat
Start	17466	End	17921
GI	none	Score	143
Exons	17466..17648, 17474..17647, 17685..17921, 17687..17872,		

17697..17900

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18121	Strand	
Start	18113	End	18599
Name	OJ990901_07.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	18113	End	18569
GI	none	Score	555
Exons	18113..18568, 18114..18569		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18121	Strand	
Start	18113	End	18599
Name	OJ990901_07.9C03.C16.o3.ts	Method	TBLASTX:Soybean
Start	18153	End	18518
GI	none	Score	110
Exons	18153..18377, 18384..18518		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18121	Strand	
Start	18113	End	18599
Name	OJ990901_07.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	18243	End	18599
GI	none	Score	423
Exons	18243..18599, 18297..18545, 18305..18598		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18122	Strand	
Start	18627	End	19163
Name	OJ990901_07.9C03.C16.o4.tm	Method	TBLASTX:Maize
Start	18627	End	19010
GI	none	Score	320
Exons	18627..19010, 18662..18724, 18794..19009		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18122	Strand	
Start	18627	End	19163
Name	OJ990901_07.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	18684	End	19108
GI	none	Score	446
Exons	18684..19106, 18745..18840, 18783..18965, 18794..19108		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18122	Strand	
Start	18627	End	19163
Name	OJ990901_07.9C03.C16.o2.ts	Method	TBLASTX:Soybean
Start	18738	End	19163
GI	none	Score	297
Exons	18738..19163, 18797..18922		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18123	Strand	
Start	19253	End	19661
Name	OJ990901_07.9C03.C16.o6.tw	Method	TBLASTX:Wheat
Start	19253	End	19661
GI	none	Score	203
Exons	19253..19480, 19254..19478, 19488..19661		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18124	Strand	
Start	20135	End	20515
Name	OJ990901_07.9C03.C16.o3.tm	Method	TBLASTX:Maize
Start	20135	End	20437
GI	none	Score	342
Exons	20135..20437, 20149..20436		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18124	Strand	
Start	20135	End	20515
Name	OJ990901_07.9C03.C16.o5.tw	Method	TBLASTX:Wheat
Start	20135	End	20515
GI	none	Score	356
Exons	20135..20515, 20140..20514		

Seq. No.	8514	Seq. ID	OJ990901_07.9C03.C16
Gene No.	18125	Strand	
Start	20639	End	21247
Name	OJ990901_07.9C03.C16.o3.tw	Method	TBLASTX:Wheat
Start	20639	End	21247
GI	none	Score	372
Exons	20639..21091, 20788..20895, 21113..21247, 21121..21246		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18126	Strand	-
Start	50	End	690
Name	OJ990901_07.9C03.C17.o1.gs	Method	GENSCAN
Start	50	End	690
GI	none	Score	.61
Exons	50..448, 648..690		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o1.np	Method	AAT/NAP
Start	815	End	2872
GI	6721561	Score	1038
Exons	815..1577, 1647..1705, 1776..1961, 2802..2872		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o2.np	Method	AAT/NAP
Start	927	End	2953
GI	6721558	Score	249
Exons	927..1049, 1303..1400, 2029..2153, 2854..2953		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o2.gs	Method	GENSCAN
Start	944	End	4612
GI	none	Score	.62
Exons	944..1488, 1499..1577, 1647..1742, 1776..1961, 2029..2153, 2320..2451, 2854..2969, 3374..3466, 3619..3769, 3829..3961, 4523..4612		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o3.np	Method	AAT/NAP
Start	2044	End	5564
GI	6721512	Score	101
Exons	2044..2086, 3578..3741, 3770..3886, 5393..5564		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o3.gs	Method	GENSCAN
Start	4940	End	8405
GI	none	Score	.95
Exons	4940..6815, 6972..7059, 7991..8405		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o4.np	Method	AAT/NAP
Start	4955	End	8753
GI	4680501	Score	562
Exons	4955..5518, 6599..6746, 8729..8753		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	4958	End	6739
GI	none	Score	151
Exons	4958..5239, 4959..5231, 5255..5296, 5264..5326, 5339..5497, 5370..5453, 5867..5944, 5951..6016, 6251..6316, 6338..6400, 6342..6515, 6449..6514, 6515..6739		

Seq. No.	8515	Seq. ID	OJ990901_07.9C03.C17
Gene No.	18127	Strand	-
Start	815	End	8753
Name	OJ990901_07.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	4958	End	6733
GI	none	Score	158
Exons	4958..5242, 4959..5231, 5255..5296, 5339..5491, 5370..5459, 6231..6299, 6242..6316, 6338..6400, 6339..6410, 6449..6514, 6459..6515, 6515..6733		

Seq. No.	8516	Seq. ID	OJ990901_07.9C03.C18

Gene No.	18128	Strand	+
Start	1810	End	3461
Name	OJ990901_07.9C03.C18.o1.gs	Method	GENSCAN
Start	1810	End	3461
GI	none	Score	.43
Exons	1810..1939, 2068..2224, 2479..2739, 2760..2983, 3028..3149, 3414..3461		

Seq. No.	8516	Seq. ID	OJ990901_07.9C03.C18
Gene No.	18129	Strand	+
Start	8369	End	10596
Name	OJ990901_07.9C03.C18.o3.gs	Method	GENSCAN
Start	8369	End	10596
GI	none	Score	.89
Exons	8369..8987, 9901..10178, 10431..10596		

Seq. No.	8516	Seq. ID	OJ990901_07.9C03.C18
Gene No.	18130	Strand	-
Start	2786	End	2982
Name	OJ990901_07.9C03.C18.o1.np	Method	AAT/NAP
Start	2786	End	2982
GI	2252859	Score	68
Exons	2786..2982		
GI Descrip.	(AF013294) No definition line found [Arabidopsis thaliana]		

Seq. No.	8516	Seq. ID	OJ990901_07.9C03.C18
Gene No.	18131	Strand	-
Start	3963	End	6050
Name	OJ990901_07.9C03.C18.o2.np	Method	AAT/NAP
Start	3963	End	6050
GI	4680338	Score	107
Exons	3963..3982, 5572..6050		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	8516	Seq. ID	OJ990901_07.9C03.C18
Gene No.	18132	Strand	-
Start	6787	End	8877
Name	OJ990901_07.9C03.C18.o3.np	Method	AAT/NAP
Start	6787	End	8877
GI	4680338	Score	108
Exons	6787..6817, 8384..8877		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	8517	Seq. ID	OJ990901_07.9C03.C19
Gene No.	18133	Strand	-
Start	1160	End	1202
Name	OJ990901_07.9C03.C19.o1.gs	Method	GENSCAN
Start	1160	End	1202
GI	none	Score	.56
Exons	1160..1202		

Seq. No.	8518	Seq. ID	OJ990901_07.9C03.C21
Gene No.	18134	Strand	+
Start	1	End	833
Name	OJ990901_07.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	833
GI	6069646	Score	96

Exons	1..161, 811..833		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	8519	Seq. ID	OJ990901_07.9C03.C22
Gene No.	18135	Strand	+
Start	4631	End	6688
Name	OJ990901_07.9C03.C22.o2.gs	Method	GENSCAN
Start	4631	End	6688
GI	none	Score	.83
Exons	4631..4795, 4955..5092, 6491..6688		
Seq. No.	8519	Seq. ID	OJ990901_07.9C03.C22
Gene No.	18136	Strand	-
Start	352	End	5341
Name	OJ990901_07.9C03.C22.o1.np	Method	AAT/NAP
Start	352	End	5341
GI	4680207	Score	802
Exons	352..1962, 5298..5341		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	8519	Seq. ID	OJ990901_07.9C03.C22
Gene No.	18136	Strand	-
Start	352	End	5341
Name	OJ990901_07.9C03.C22.o1.gs	Method	GENSCAN
Start	363	End	1853
GI	none	Score	.63
Exons	363..1853		
Seq. No.	8519	Seq. ID	OJ990901_07.9C03.C22
Gene No.	18136	Strand	-
Start	352	End	5341
Name	OJ990901_07.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	1542	End	1913
GI	none	Score	90
Exons	1542..1913, 1699..1902		
Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18137	Strand	+
Start	2656	End	7373
Name	OJ990901_07.9C03.C24.o1.gs	Method	GENSCAN
Start	2656	End	7373
GI	none	Score	.45
Exons	2656..2692, 3083..3219, 6237..6533, 6669..7373		
Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18137	Strand	+
Start	2656	End	7373
Name	OJ990901_07.9C03.C24.o1.gp	Method	AAT/GAP
Start	5966	End	6585
GI	2980_1.R1084	Score	1153
Exons	5966..6585		
GI Descrip.	'4680501/gb|AAD27681.1|AF119222_13 5.0e-21 (AF119222)		

hypothetical protein [Oryza sativa]'

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o1.np	Method	AAT/NAP
Start	6183	End	8562
GI	4680338	Score	562
Exons	6183..6776, 6813..7338, 8532..8562		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	6193	End	7250
GI	none	Score	121
Exons	6193..6375, 6198..6425, 6483..6539, 6597..6638, 7092..7172, 7173..7250		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	6193	End	6866
GI	none	Score	154
Exons	6193..6375, 6198..6425, 6483..6539, 6597..6638, 6660..6740, 6816..6866		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	6198	End	6413
GI	none	Score	115
Exons	6198..6413, 6220..6363		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o2.np	Method	AAT/NAP
Start	6569	End	8817
GI	4680207	Score	602
Exons	6569..6682, 7708..8817		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o2.gs	Method	GENSCAN
Start	7603	End	8691
GI	none	Score	.43
Exons	7603..8691		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-

Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	8533	End	8814
GI	none	Score	60
Exons	8533..8655, 8548..8814, 8683..8814		

Seq. No.	8520	Seq. ID	OJ990901_07.9C03.C24
Gene No.	18138	Strand	-
Start	6183	End	8817
Name	OJ990901_07.9C03.C24.o2.gp	Method	AAT/GAP
Start	8583	End	8817
GI	LIB3474-006-P1-K1-D2	Score	466
Exons	8583..8817		
GI Descrip.	'4544451/gb|AAD22359.1|AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8521	Seq. ID	OJ990901_07.9C03.C25
Gene No.	18139	Strand	-
Start	1	End	1501
Name	OJ990901_07.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	4680207	Score	1104
Exons	1..310, 617..707, 762..1501		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8521	Seq. ID	OJ990901_07.9C03.C25
Gene No.	18139	Strand	-
Start	1	End	1501
Name	OJ990901_07.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	7	End	354
GI	none	Score	85
Exons	7..165, 47..163, 170..346, 172..354		

Seq. No.	8521	Seq. ID	OJ990901_07.9C03.C25
Gene No.	18139	Strand	-
Start	1	End	1501
Name	OJ990901_07.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	67	End	411
GI	none	Score	73
Exons	67..147, 68..148, 151..249, 271..411, 272..409		

Seq. No.	8521	Seq. ID	OJ990901_07.9C03.C25
Gene No.	18139	Strand	-
Start	1	End	1501
Name	OJ990901_07.9C03.C25.o1.gs	Method	GENSCAN
Start	126	End	1476
GI	none	Score	.46
Exons	126..190, 249..394, 617..1476		

Seq. No.	8521	Seq. ID	OJ990901_07.9C03.C25
Gene No.	18139	Strand	-
Start	1	End	1501
Name	OJ990901_07.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	170	End	382
GI	none	Score	44
Exons	170..229, 172..381, 181..381, 263..382		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o1.np	Method	AAT/NAP
Start	1	End	2219
GI	4680207	Score	2076
Exons	1..1002, 1413..2219		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o2.tm	Method	TBLASTX:Maize
Start	3	End	180
GI	none	Score	127
Exons	3..149, 18..179, 19..177, 19..180		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	345	End	1046
GI	none	Score	113
Exons	345..524, 507..857, 538..828, 864..1046		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	346	End	647
GI	none	Score	91
Exons	346..480, 354..512, 360..506, 537..617, 537..647, 601..630		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	348	End	1651
GI	none	Score	46
Exons	348..425, 546..719, 601..672, 750..899, 751..828, 1032..1088, 1589..1651, 1593..1649		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	357	End	839
GI	none	Score	66
Exons	357..512, 363..506, 531..656, 540..671, 703..747, 756..839, 757..825		

Seq. No.	8522	Seq. ID	OJ990901_07.9C03.C26
Gene No.	18140	Strand	-
Start	1	End	2219
Name	OJ990901_07.9C03.C26.o2.tw	Method	TBLASTX:Wheat

Start	864	End	1074
GI	none	Score	65
Exons	864..1073, 873..1070, 955..1074		

Seq. No.	8523	Seq. ID	OJ990901_07.9C03.C28
Gene No.	18141	Strand	+
Start	1	End	620
Name	OJ990901_07.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	620
GI	6862956	Score	454
Exons	1..620		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8523	Seq. ID	OJ990901_07.9C03.C28
Gene No.	18141	Strand	+
Start	1	End	620
Name	OJ990901_07.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	128	End	513
GI	none	Score	58
Exons	128..184, 190..513, 258..494		

Seq. No.	8523	Seq. ID	OJ990901_07.9C03.C28
Gene No.	18141	Strand	+
Start	1	End	620
Name	OJ990901_07.9C03.C28.o1.gs	Method	GENSCAN
Start	271	End	562
GI	none	Score	.43
Exons	271..562		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18142	Strand	+
Start	7245	End	9447
Name	OJ990921_06.9C10.C1.o2.gs	Method	GENSCAN
Start	7245	End	9447
GI	none	Score	.63
Exons	7245..7466, 7518..7714, 8089..8218, 8289..8494, 8899..9165, 9179..9284, 9373..9447		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	3456
GI	4544451	Score	810
Exons	1..21, 101..354, 464..549, 973..1021, 1135..1201, 1735..1850, 1937..2003, 2797..2885, 3253..3456		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	1	End	271
GI	none	Score	41
Exons	1..21, 4..21, 98..271, 100..270		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1

Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o1.gs	Method	GENSCAN
Start	101	End	6436
GI	none	Score	.62
Exons	101..354, 1135..1201, 1735..1850, 1937..2003, 2797..2885, 3253..3680, 4048..4147, 4952..5076, 6145..6436		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o1.gp	Method	AAT/GAP
Start	116	End	1206
GI	2428542	Score	814
Exons	116..354, 464..549, 973..1021, 1135..1206		
GI Descrip.	4544451/gb|AAD22359.1|AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	292	End	1996
GI	none	Score	58
Exons	292..354, 293..355, 461..550, 474..548, 974..1021, 1117..1212, 1133..1195, 1695..1874, 1708..1827, 1734..1853, 1934..1996		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	482	End	2867
GI	none	Score	87
Exons	482..544, 483..545, 972..1022, 974..1021, 976..1023, 1117..1212, 1134..1202, 1135..1203, 1695..1862, 1696..1827, 1737..1859, 1934..2008, 1935..2006, 2817..2867		

Seq. No.	8524	Seq. ID	OJ990921_06.9C10.C1
Gene No.	18143	Strand	-
Start	1	End	6436
Name	OJ990921_06.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	5747	End	6045
GI	none	Score	65
Exons	5747..6043, 5775..5912, 5830..6045, 5834..6043, 5937..6044		

Seq. No.	8525	Seq. ID	OJ990921_06.9C10.C3
Gene No.	18144	Strand	+
Start	32	End	509
Name	OJ990921_06.9C10.C3.o1.gs	Method	GENSCAN
Start	32	End	329
GI	none	Score	1
Exons	32..329		

Seq. No.	8525	Seq. ID	OJ990921_06.9C10.C3
Gene No.	18144	Strand	+
Start	32	End	509
Name	OJ990921_06.9C10.C3.o1.gp	Method	AAT/GAP

Start	61	End	509
GI	none	Score	873
Exons	61..509		

Seq. No.	8525	Seq. ID	OJ990921_06.9C10.C3
Gene No.	18144	Strand	+
Start	32	End	509
Name	OJ990921_06.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	246	End	509
GI	none	Score	78
Exons	246..353, 248..472, 248..472, 276..473, 292..477, 466..492, 467..508, 468..509		

Seq. No.	8526	Seq. ID	OJ990921_06.9C10.C4
Gene No.	18145	Strand	-
Start	1	End	694
Name	OJ990921_06.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6069646	Score	181
Exons	1..546, 667..694		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	8526	Seq. ID	OJ990921_06.9C10.C4
Gene No.	18145	Strand	-
Start	1	End	694
Name	OJ990921_06.9C10.C4.o1.gs	Method	GENSCAN
Start	152	End	652
GI	none	Score	.55
Exons	152..652		

Seq. No.	8526	Seq. ID	OJ990921_06.9C10.C4
Gene No.	18145	Strand	-
Start	1	End	694
Name	OJ990921_06.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	359	End	584
GI	none	Score	124
Exons	359..583, 360..584		

Seq. No.	8527	Seq. ID	OJ990921_06.9C10.C5
Gene No.	18146	Strand	+
Start	307	End	420
Name	OJ990921_06.9C10.C5.o1.gs	Method	GENSCAN
Start	307	End	420
GI	none	Score	.46
Exons	307..420		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18147	Strand	+
Start	1	End	1473
Name	OJ990921_06.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	1416
GI	6573717	Score	567
Exons	1..29, 230..465, 496..736, 846..965, 1036..1416		

GI Descrip. (AC009978) T23E18.21 [Arabidopsis thaliana]

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18147	Strand	+
Start	1	End	1473
Name	OJ990921_06.9C10.C8.o1.gs	Method	GENSCAN
Start	287	End	1473
GI	none	Score	.75
Exons	287..430, 846..965, 1036..1473		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18148	Strand	+
Start	2459	End	3781
Name	OJ990921_06.9C10.C8.o1.gp	Method	AAT/GAP
Start	2459	End	3781
GI	2312845	Score	771
Exons	2459..2667, 3549..3781		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18149	Strand	-
Start	2258	End	3700
Name	OJ990921_06.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	275	End	430
GI	none	Score	194
Exons	275..430, 286..429		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18149	Strand	-
Start	2258	End	3700
Name	OJ990921_06.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	606	End	1458
GI	none	Score	65
Exons	606..704, 610..738, 610..753, 611..739, 843..965, 843..956, 1033..1326, 1036..1314, 1302..1457, 1303..1458		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18149	Strand	-
Start	2258	End	3700
Name	OJ990921_06.9C10.C8.o2.gs	Method	GENSCAN
Start	2258	End	2644
GI	none	Score	.83
Exons	2258..2644		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18149	Strand	-
Start	2258	End	3700
Name	OJ990921_06.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	2474	End	3700
GI	none	Score	129
Exons	2474..2662, 2481..2552, 2489..2602, 3549..3566, 3570..3629, 3614..3697, 3644..3700		

Seq. No.	8528	Seq. ID	OJ990921_06.9C10.C8
Gene No.	18149	Strand	-
Start	2258	End	3700
Name	OJ990921_06.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	2475	End	2622

GI	none	Score	133
Exons	2475..2543, 2489..2602, 2491..2622		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18150	Strand	+
Start	54	End	2347
Name	OJ990921_06.9C10.C9.o1.gs	Method	GENSCAN
Start	54	End	2347
GI	none	Score	.61
Exons	54..159, 1534..1692, 2008..2108, 2171..2347		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18151	Strand	+
Start	6643	End	9350
Name	OJ990921_06.9C10.C9.o3.gs	Method	GENSCAN
Start	6643	End	9350
GI	none	Score	.87
Exons	6643..7391, 8517..8649, 8817..9350		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18152	Strand	-
Start	5168	End	6445
Name	OJ990921_06.9C10.C9.o1.gp	Method	AAT/GAP
Start	4945	End	5387
GI	3759146	Score	668
Exons	4945..5387		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18152	Strand	-
Start	5168	End	6445
Name	OJ990921_06.9C10.C9.o2.gs	Method	GENSCAN
Start	5168	End	6367
GI	none	Score	.99
Exons	5168..6367		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18152	Strand	-
Start	5168	End	6445
Name	OJ990921_06.9C10.C9.o1.np	Method	AAT/NAP
Start	5189	End	6445
GI	4325376	Score	767
Exons	5189..5602, 5675..6244, 6314..6445		
GI Descrip.	(AF128396) No definition line found [Arabidopsis thaliana]		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18152	Strand	-
Start	5168	End	6445
Name	OJ990921_06.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	5225	End	5540
GI	none	Score	80
Exons	5225..5278, 5285..5539, 5292..5540		

Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18152	Strand	-
Start	5168	End	6445
Name	OJ990921_06.9C10.C9.o2.gp	Method	AAT/GAP
Start	5321	End	5500

GI	6024931	Score	285
Exons	5321..5500		
Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18153	Strand	
Start	6642	End	6867
Name	OJ990921_06.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	6642	End	6867
GI	none	Score	139
Exons	6642..6749, 6643..6750, 6738..6863, 6739..6867		
Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18154	Strand	
Start	7111	End	7389
Name	OJ990921_06.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	7111	End	7389
GI	none	Score	201
Exons	7111..7308, 7188..7379, 7363..7389		
Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18154	Strand	
Start	7111	End	7389
Name	OJ990921_06.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	7203	End	7352
GI	none	Score	154
Exons	7203..7352, 7204..7311, 7233..7352		
Seq. No.	8529	Seq. ID	OJ990921_06.9C10.C9
Gene No.	18155	Strand	
Start	8494	End	9003
Name	OJ990921_06.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	8494	End	9003
GI	none	Score	83
Exons	8494..8652, 8506..8592, 8523..8591, 8524..8658, 8741..8836, 8751..8984, 8803..8991, 8803..9003		
Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18156	Strand	+
Start	384	End	776
Name	OJ990921_06.9C10.C10.o1.gs	Method	GENSCAN
Start	384	End	776
GI	none	Score	.52
Exons	384..776		
Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18157	Strand	+
Start	3595	End	6544
Name	OJ990921_06.9C10.C10.o2.np	Method	AAT/NAP
Start	3595	End	6544
GI	4680203	Score	1018
Exons	3595..3641, 4965..6544		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18158	Strand	-
Start	520	End	971
Name	OJ990921_06.9C10.C10.o1.gp	Method	AAT/GAP

Start	520	End	971
GI	none	Score	872
Exons	520..971		

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18159	Strand	-
Start	1847	End	2517
Name	OJ990921_06.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	374	End	784
GI	none	Score	60
Exons	374..415, 381..416, 383..427, 563..607, 566..769, 567..737,	473..508, 567..773,	473..565, 474..575, 638..784

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18159	Strand	-
Start	1847	End	2517
Name	OJ990921_06.9C10.C10.o1.np	Method	AAT/NAP
Start	1847	End	2517
GI	4102727	Score	365
Exons	1847..2127, 2406..2517		
GI Descrip.	(AF015782) blight-associated protein p12 precursor [Citrus jambhiri]		

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18159	Strand	-
Start	1847	End	2517
Name	OJ990921_06.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	1872	End	2126
GI	none	Score	50
Exons	1872..1940, 1874..1939, 1934..2086,	1940..2125,	2010..2126

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18160	Strand	
Start	5359	End	6339
Name	OJ990921_06.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	5359	End	5952
GI	none	Score	221
Exons	5359..5649, 5517..5651, 5707..5823, 5844..5951		5710..5808, 5827..5952,

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18160	Strand	
Start	5359	End	6339
Name	OJ990921_06.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	5527	End	5967
GI	none	Score	108
Exons	5527..5649, 5532..5648, 5692..5967,		5727..5966

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18160	Strand	
Start	5359	End	6339
Name	OJ990921_06.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	5716	End	6048
GI	none	Score	284
Exons	5716..6048, 5802..5852, 5886..5993		

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10

Gene No.	18160	Strand	
Start	5359	End	6339
Name	OJ990921_06.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	5854	End	6339
GI	none	Score	102
Exons	5854..5958, 5862..5957, 5961..6053, 5965..6054, 6151..6198, 6199..6246, 6201..6251, 6246..6335, 6250..6339		

Seq. No.	8530	Seq. ID	OJ990921_06.9C10.C10
Gene No.	18160	Strand	
Start	5359	End	6339
Name	OJ990921_06.9C10.C10.o2.tw	Method	TBLASTX:Wheat
Start	5953	End	6288
GI	none	Score	57
Exons	5953..5994, 5998..6096, 6000..6095, 6142..6240, 6153..6224, 6250..6288		

Seq. No.	8531	Seq. ID	OJ990921_06.9C10.C11
Gene No.	18161	Strand	-
Start	205	End	494
Name	OJ990921_06.9C10.C11.o1.gs	Method	GENSCAN
Start	205	End	494
GI	none	Score	.48
Exons	205..494		

Seq. No.	8532	Seq. ID	OJ990921_06.9C10.C12
Gene No.	18162	Strand	-
Start	1103	End	2530
Name	OJ990921_06.9C10.C12.o1.np	Method	AAT/NAP
Start	1103	End	2530
GI	6907088	Score	1250
Exons	1103..1489, 1980..2217, 2393..2530		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18163	Strand	+
Start	135	End	1491
Name	OJ990921_06.9C10.C13.o1.gs	Method	GENSCAN
Start	135	End	1491
GI	none	Score	.83
Exons	135..147, 266..326, 412..663, 944..1025, 1300..1491		

Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18164	Strand	-
Start	2444	End	3163
Name	OJ990921_06.9C10.C13.o2.gs	Method	GENSCAN
Start	2444	End	3074
GI	none	Score	.71
Exons	2444..2450, 2586..2862, 2963..3074		

Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18164	Strand	-
Start	2444	End	3163
Name	OJ990921_06.9C10.C13.o1.np	Method	AAT/NAP
Start	2582	End	3071
GI	4102727	Score	363
Exons	2582..2862, 2963..3071		

GI Descrip.	(AF015782) blight-associated protein p12 precursor [Citrus jambhiri]		
Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18164	Strand	-
Start	2444	End	3163
Name	OJ990921_06.9C10.C13.o1.gp	Method	AAT/GAP
Start	2672	End	3163
GI	2429063	Score	627
Exons	2672..2862, 2963..3163		
Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18165	Strand	-
Start	3567	End	3907
Name	OJ990921_06.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	2607	End	3002
GI	none	Score	56
Exons	2607..2675, 2609..2674, 2675..2872, 2676..2717, 2742..2861, 2976..3002		
Seq. No.	8533	Seq. ID	OJ990921_06.9C10.C13
Gene No.	18165	Strand	-
Start	3567	End	3907
Name	OJ990921_06.9C10.C13.o3.gs	Method	GENSCAN
Start	3567	End	3907
GI	none	Score	.81
Exons	3567..3907		
Seq. No.	8534	Seq. ID	OJ990921_06.9C10.C14
Gene No.	18166	Strand	-
Start	1342	End	1463
Name	OJ990921_06.9C10.C14.o1.np	Method	AAT/NAP
Start	1342	End	1463
GI	4539662	Score	103
Exons	1342..1463		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18167	Strand	+
Start	4358	End	11133
Name	OJ990921_06.9C10.C16.o3.np	Method	AAT/NAP
Start	4358	End	11133
GI	3892046	Score	162
Exons	4358..4393, 6422..6607, 6644..6810, 11100..11133		
GI Descrip.	(AC002330) predicted protein destination factor [Arabidopsis thaliana]		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18168	Strand	-
Start	1	End	2146
Name	OJ990921_06.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	2146
GI	2586082	Score	1968
Exons	1..2146		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16

Gene No.	18168	Strand	-
Start	1	End	2146
Name	OJ990921_06.9C10.C16.o1.gs	Method	GENSCAN
Start	1108	End	2134
GI	none	Score	.84
Exons	1108..2134		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18169	Strand	-
Start	2600	End	3445
Name	OJ990921_06.9C10.C16.o1.gp	Method	AAT/GAP
Start	2600	End	3179
GI	uC-osflcyp172e08b1	Score	724
Exons	2600..2804, 2959..3179		
GI Descrip.	'4102727 5.0e-24 (AF015782) blight-associated protein p12 precursor [Citrus jambhiri]'		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18169	Strand	-
Start	2600	End	3445
Name	OJ990921_06.9C10.C16.o2.np	Method	AAT/NAP
Start	2955	End	3445
GI	4102727	Score	375
Exons	2955..3235, 3337..3445		
GI Descrip.	(AF015782) blight-associated protein p12 precursor [Citrus jambhiri]		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	406
GI	none	Score	123
Exons	1..294, 5..295, 316..405, 332..406		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	402
GI	none	Score	250
Exons	1..402		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	4	End	591
GI	none	Score	64
Exons	4..93, 130..195, 202..414, 418..591, 419..571		

Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	10	End	414
GI	none	Score	294

Exons	10..414		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	418	End	807
GI	none	Score	158
Exons	418..585, 604..807		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	898	End	1285
GI	none	Score	70
Exons	898..1026, 918..1010, 1013..1285, 1046..1234		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	1100	End	1618
GI	none	Score	85
Exons	1100..1249, 1106..1228, 1247..1369, 1422..1436, 1505..1555, 1556..1618		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o2.tc	Method	TBLASTX:Cress
Start	1565	End	2086
GI	none	Score	60
Exons	1565..1915, 1973..2086		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	1619	End	2050
GI	none	Score	85
Exons	1619..1927, 1680..1880, 1973..2050		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	1619	End	2053
GI	none	Score	58
Exons	1619..1801, 1643..1798, 1677..1820, 1808..2053, 1809..1913		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	2980	End	3396
GI	none	Score	70

Exons	2980..3048, 2982..3047, 3048..3245, 3049..3090, 3075..3233, 3115..3246, 3350..3370, 3361..3396		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o4.gs	Method	GENSCAN
Start	6920	End	11070
GI	none	Score	.46
Exons	6920..7150, 10862..11070		
Seq. No.	8535	Seq. ID	OJ990921_06.9C10.C16
Gene No.	18170	Strand	-
Start	6920	End	11070
Name	OJ990921_06.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	10907	End	11068
GI	none	Score	109
Exons	10907..11068, 10908..11054		
Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18171	Strand	+
Start	1603	End	3717
Name	OJ990921_06.9C10.C17.o2.gs	Method	GENSCAN
Start	1603	End	3717
GI	none	Score	.88
Exons	1603..1673, 3354..3441, 3649..3717		
Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18171	Strand	+
Start	1603	End	3717
Name	OJ990921_06.9C10.C17.o1.gp	Method	AAT/GAP
Start	2105	End	2447
GI	none	Score	457
Exons	2105..2447		
Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18172	Strand	-
Start	1	End	5803
Name	OJ990921_06.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	5803
GI	4063751	Score	526
Exons	1..92, 420..628, 715..826, 936..1043, 4140..4604, 4717..4796, 5238..5404, 5482..5803		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		
Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18172	Strand	-
Start	1	End	5803
Name	OJ990921_06.9C10.C17.o1.gs	Method	GENSCAN
Start	218	End	1007
GI	none	Score	.85
Exons	218..304, 420..611, 731..826, 957..1007		
Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18172	Strand	-
Start	1	End	5803
Name	OJ990921_06.9C10.C17.o3.gs	Method	GENSCAN

Start	4074	End	5803
GI	none	Score	.54
Exons	4074..4604, 4717..4796, 5238..5803		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18172	Strand	-
Start	1	End	5803
Name	OJ990921_06.9C10.C17.o2.gp	Method	AAT/GAP
Start	4461	End	4928
GI	uC-osflcyp106e10b1	Score	908
Exons	4461..4928		
GI Descrip.	'4490751/emb|CAB38913.1| 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]'		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	588
GI	none	Score	84
Exons	1..111, 1..84, 3..101, 215..313, 216..305, 396..578, 405..584, 406..588		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o2.ts	Method	TBLASTX:Soybean
Start	1	End	515
GI	none	Score	88
Exons	1..111, 3..101, 213..305, 215..313, 405..515		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o2.tc	Method	TBLASTX:Cress
Start	9	End	588
GI	none	Score	79
Exons	9..101, 10..111, 213..305, 215..313, 405..584, 423..539, 442..588		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	930	End	5406
GI	none	Score	163
Exons	930..1037, 4161..4532, 4162..4419, 4533..4604, 4537..4599, 4723..4797, 5230..5337, 5234..5329, 5371..5406		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	954	End	4607
GI	none	Score	75
Exons	954..1046, 954..1037, 955..1059, 4140..4607, 4150..4419, 4522..4599		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	4140	End	5370
GI	none	Score	90
Exons	4140..4256, 4150..4260, 4257..4601, 4258..4428, 4717..4797, 4718..4798, 5230..5370, 5234..5347		

Seq. No.	8536	Seq. ID	OJ990921_06.9C10.C17
Gene No.	18173	Strand	-
Start	5967	End	6034
Name	OJ990921_06.9C10.C17.o3.gp	Method	AAT/GAP
Start	5967	End	6034
GI	LIB3477-003-P1-K1-E9	Score	91
Exons	5967..6034		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18174	Strand	+
Start	3136	End	3453
Name	OJ990921_06.9C10.C18.o1.gp	Method	AAT/GAP
Start	3136	End	3453
GI	none	Score	604
Exons	3136..3453		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o2.gs	Method	GENSCAN
Start	3328	End	11846
GI	none	Score	.68
Exons	3328..3999, 4227..4313, 4481..4672, 4797..4925, 5046..5132, 5324..5401, 6751..7260, 7385..7464, 7687..8188, 11796..11846		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o1.np	Method	AAT/NAP
Start	3352	End	8277
GI	4063751	Score	777
Exons	3352..3999, 4481..4672, 4797..4916, 5010..5132, 6811..7275, 7385..7464, 7687..7852, 7953..8277		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	3364	End	4006
GI	none	Score	113
Exons	3364..3516, 3565..4005, 3677..3808, 3887..4006		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18

Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	3406	End	4005
GI	none	Score	101
Exons	3406..3567, 3407..3568, 3541..4005, 3587..3988		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	3560	End	3921
GI	none	Score	137
Exons	3560..3808, 3562..3921		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	3637	End	4678
GI	none	Score	100
Exons	3637..4005, 3653..3811, 3863..3988, 3967..4005, 4221..4325, 4225..4329, 4467..4637, 4475..4678, 4544..4639		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o3.tc	Method	TBLASTX:Cress
Start	4221	End	4640
GI	none	Score	83
Exons	4221..4325, 4225..4314, 4461..4640, 4461..4628, 4475..4639		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o3.ts	Method	TBLASTX:Soybean
Start	4475	End	4657
GI	none	Score	63
Exons	4475..4657, 4538..4603, 4539..4637		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o2.tc	Method	TBLASTX:Cress
Start	5025	End	7882
GI	none	Score	62
Exons	5025..5159, 5074..5133, 6805..7203, 6833..7090, 7204..7275, 7208..7270, 7391..7465, 7665..7778, 7667..7786, 7820..7882		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	5043	End	7279
GI	none	Score	195
Exons	5043..5183, 6805..7278, 6821..7090, 7193..7279		

Seq. No.	8537	Seq. ID	OJ990921_06.9C10.C18
Gene No.	18175	Strand	-
Start	3328	End	11846
Name	OJ990921_06.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	6811	End	7796
GI	none	Score	90
Exons	6811..6927, 6821..6931, 6928..7272, 6929..7099, 7385..7465, 7386..7472, 7667..7786, 7683..7796		

Seq. No.	8538	Seq. ID	OJ990921_06.9C10.C19
Gene No.	18176	Strand	-
Start	202	End	230
Name	OJ990921_06.9C10.C19.o1.gs	Method	GENSCAN
Start	202	End	230
GI	none	Score	.84
Exons	202..230		

Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	1062
GI	6742729	Score	710
Exons	1..1062		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	200	End	583
GI	none	Score	63
Exons	200..268, 268..582, 269..583		

Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	224	End	1357
GI	none	Score	541
Exons	224..940, 277..852, 949..1131, 959..1147, 1124..1225, 1135..1254, 1256..1357, 1258..1350		

Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.gs	Method	GENSCAN
Start	242	End	1459
GI	none	Score	.55
Exons	242..1459		

Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.tc	Method	TBLASTX:Cress
Start	515	End	940
GI	none	Score	317

Exons	515..940, 523..852		
Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o2.tm	Method	TBLASTX:Maize
Start	833	End	1123
GI	none	Score	146
Exons	833..1003, 881..997, 1015..1122, 1016..1123		
Seq. No.	8539	Seq. ID	OJ990921_06.9C10.C21
Gene No.	18177	Strand	+
Start	1	End	1459
Name	OJ990921_06.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	1417
GI	none	Score	186
Exons	1205..1417, 1205..1363		
Seq. No.	8540	Seq. ID	OJ990921_06.9C10.C22
Gene No.	18178	Strand	+
Start	7192	End	8832
Name	OJ990921_06.9C10.C22.o1.np	Method	AAT/NAP
Start	7192	End	8832
GI	5295971	Score	2164
Exons	7192..8832		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	8540	Seq. ID	OJ990921_06.9C10.C22
Gene No.	18178	Strand	+
Start	7192	End	8832
Name	OJ990921_06.9C10.C22.o2.gs	Method	GENSCAN
Start	7192	End	8402
GI	none	Score	.52
Exons	7192..8402		
Seq. No.	8540	Seq. ID	OJ990921_06.9C10.C22
Gene No.	18178	Strand	+
Start	7192	End	8832
Name	OJ990921_06.9C10.C22.o2.tm	Method	TBLASTX:Maize
Start	7579	End	7876
GI	none	Score	44
Exons	7579..7614, 7585..7875, 7624..7875, 7805..7876		
Seq. No.	8540	Seq. ID	OJ990921_06.9C10.C22
Gene No.	18178	Strand	+
Start	7192	End	8832
Name	OJ990921_06.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	8109	End	8501
GI	none	Score	253
Exons	8109..8384, 8110..8385, 8125..8382, 8127..8384, 8367..8399, 8406..8501, 8406..8498		
Seq. No.	8541	Seq. ID	OJ990921_06.9C10.C23
Gene No.	18179	Strand	+
Start	1	End	605

Name	OJ990921_06.9C10.C23.o1.np	Method	AAT/NAP
Start	1	End	605
GI	4544451	Score	379
Exons	1..225, 328..605		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	8541	Seq. ID	OJ990921_06.9C10.C23
Gene No.	18179	Strand	+
Start	1	End	605
Name	OJ990921_06.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	10	End	186
GI	none	Score	127
Exons	10..111, 15..110, 118..186, 123..185, 127..186		

Seq. No.	8541	Seq. ID	OJ990921_06.9C10.C23
Gene No.	18179	Strand	+
Start	1	End	605
Name	OJ990921_06.9C10.C23.o1.gs	Method	GENSCAN
Start	102	End	556
GI	none	Score	.54
Exons	102..225, 328..556		

Seq. No.	8541	Seq. ID	OJ990921_06.9C10.C23
Gene No.	18179	Strand	+
Start	1	End	605
Name	OJ990921_06.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	352	End	563
GI	5057841	Score	232
Exons	352..543, 354..563		
GI Descrip.	4544451/gb_AAD22359.1_AC006592_16 8.0e-34 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	8542	Seq. ID	OJ990921_06.9C10.C24
Gene No.	18180	Strand	+
Start	22	End	424
Name	OJ990921_06.9C10.C24.o1.gs	Method	GENSCAN
Start	22	End	424
GI	none	Score	.51
Exons	22.:225, 317..424		

Seq. No.	8542	Seq. ID	OJ990921_06.9C10.C24
Gene No.	18181	Strand	-
Start	195	End	638
Name	OJ990921_06.9C10.C24.o1.gp	Method	AAT/GAP
Start	195	End	638
GI	46033_1.R1084	Score	827
Exons	195..638		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	8543	Seq. ID	OJ990921_06.9C10.C27
Gene No.	18182	Strand	+
Start	1	End	674
Name	OJ990921_06.9C10.C27.o1.np	Method	AAT/NAP
Start	1	End	674
GI	2586082	Score	789

Exons	1..674		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	8543	Seq. ID	OJ990921_06.9C10.C27
Gene No.	18182	Strand	+
Start	1	End	674
Name	OJ990921_06.9C10.C27.o1.tw	Method	TBLASTX:Wheat
Start	2	End	518
GI	none	Score	43
Exons	2..37, 48..323, 137..322, 138..329, 315..518		
Seq. No.	8543	Seq. ID	OJ990921_06.9C10.C27
Gene No.	18182	Strand	+
Start	1	End	674
Name	OJ990921_06.9C10.C27.o1.ts	Method	TBLASTX:Soybean
Start	81	End	409
GI	none	Score	124
Exons	81..209, 92..208, 230..283, 231..395, 314..409		
Seq. No.	8543	Seq. ID	OJ990921_06.9C10.C27
Gene No.	18182	Strand	+
Start	1	End	674
Name	OJ990921_06.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	111	End	557
GI	none	Score	379
Exons	111..557, 134..292		
Seq. No.	8544	Seq. ID	OJ990901_03.9C17.C1
Gene No.	18183	Strand	+
Start	6068	End	6992
Name	OJ990901_03.9C17.C1.o2.gs	Method	GENSCAN
Start	6068	End	6992
GI	none	Score	.71
Exons	6068..6175, 6858..6992		
Seq. No.	8544	Seq. ID	OJ990901_03.9C17.C1
Gene No.	18184	Strand	-
Start	924	End	4638
Name	OJ990901_03.9C17.C1.o1.gs	Method	GENSCAN
Start	924	End	4638
GI	none	Score	.84
Exons	924..1443, 1533..1741, 2549..2617, 2642..2781, 3470..3598, 4369..4419, 4527..4638		
Seq. No.	8544	Seq. ID	OJ990901_03.9C17.C1
Gene No.	18184	Strand	-
Start	924	End	4638
Name	OJ990901_03.9C17.C1.o1.np	Method	AAT/NAP
Start	969	End	1640
GI	3645898	Score	335
Exons	969..1640		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	8544	Seq. ID	OJ990901_03.9C17.C1
Gene No.	18184	Strand	-
Start	924	End	4638

Name	OJ990901_03.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	1071	End	1478
GI	none	Score	197
Exons	1071..1478		

Seq. No.	8545	Seq. ID	OJ990901_03.9C17.C2
Gene No.	18185	Strand	+
Start	1	End	1003
Name	OJ990901_03.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	698
GI	4587240	Score	436
Exons	1..698		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	8545	Seq. ID	OJ990901_03.9C17.C2
Gene No.	18185	Strand	+
Start	1	End	1003
Name	OJ990901_03.9C17.C2.o1.gs	Method	GENSCAN
Start	61	End	624
GI	none	Score	.51
Exons	61..624		

Seq. No.	8545	Seq. ID	OJ990901_03.9C17.C2
Gene No.	18185	Strand	+
Start	1	End	1003
Name	OJ990901_03.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	130	End	498
GI	none	Score	113
Exons	130..276, 274..498		

Seq. No.	8545	Seq. ID	OJ990901_03.9C17.C2
Gene No.	18185	Strand	+
Start	1	End	1003
Name	OJ990901_03.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	232	End	513
GI	none	Score	170
Exons	232..444, 301..420, 444..509, 445..513		

Seq. No.	8545	Seq. ID	OJ990901_03.9C17.C2
Gene No.	18185	Strand	+
Start	1	End	1003
Name	OJ990901_03.9C17.C2.o2.np	Method	AAT/NAP
Start	564	End	1003
GI	6721518	Score	108
Exons	564..1003		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	8546	Seq. ID	OJ990901_03.9C17.C3
Gene No.	18186	Strand	+
Start	202	End	300
Name	OJ990901_03.9C17.C3.o1.gs	Method	GENSCAN
Start	202	End	300
GI	none	Score	.73
Exons	202..300		

Seq. No.	8547	Seq. ID	OJ990901_03.9C17.C4

Gene No.	18187	Strand	+
Start	1	End	207
Name	OJ990901_03.9C17.C4.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	342_1.R1084	Score	370
Exons	1..207		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8547	Seq. ID	OJ990901_03.9C17.C4
Gene No.	18187	Strand	+
Start	1	End	207
Name	OJ990901_03.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	207
GI	6742729	Score	304
Exons	1..207		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8547	Seq. ID	OJ990901_03.9C17.C4
Gene No.	18187	Strand	+
Start	1	End	207
Name	OJ990901_03.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	4	End	207
GI	none	Score	261
Exons	4..207, 6..206		

Seq. No.	8547	Seq. ID	OJ990901_03.9C17.C4
Gene No.	18187	Strand	+
Start	1	End	207
Name	OJ990901_03.9C17.C4.o1.gs	Method	GENSCAN
Start	46	End	167
GI	none	Score	.72
Exons	46..167		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.np	Method	AAT/NAP
Start	577	End	10954
GI	5257279	Score	6960
Exons	577..705, 1361..1459, 2392..2987, 3102..3264, 3481..5638, 8636..9194, 9825..10060, 10409..10954		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.gs	Method	GENSCAN
Start	578	End	9412
GI	none	Score	.41
Exons	578..771, 2009..4659, 4707..4861, 4928..5044, 5314..5615, 7410..7606, 7660..7863, 7901..8032, 8759..9412		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180

Name	OJ990901_03.9C17.C5.o6.tw	Method	TBLASTX:Wheat
Start	2026	End	2359
GI	none	Score	70
Exons	2026..2358, 2249..2359		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	2218	End	2802
GI	none	Score	259
Exons	2218..2646, 2231..2647, 2368..2706, 2396..2647, 2517..2651, 2644..2802, 2648..2800		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	2359	End	2985
GI	none	Score	333
Exons	2359..2985, 2360..2983		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	2854	End	3145
GI	none	Score	262
Exons	2854..3144, 2858..3145		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	2947	End	3193
GI	none	Score	158
Exons	2947..3192, 2948..3193		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	2968	End	3285
GI	none	Score	117
Exons	2968..3111, 2969..3109, 3112..3285, 3164..3277		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	2992	End	3480
GI	none	Score	281
Exons	2992..3480, 2996..3367		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180

Name	OJ990901_03.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	3481	End	3984
GI	none	Score	301
Exons	3481..3984, 3563..3949, 3643..3975		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.gp	Method	AAT/GAP
Start	3648	End	5008
GI	4107139	Score	2271
Exons	3648..5008		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	3673	End	4114
GI	none	Score	220
Exons	3673..4113, 3686..4114		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	3733	End	3978
GI	none	Score	89
Exons	3733..3978, 3734..3949		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o5.tw	Method	TBLASTX:Wheat
Start	3985	End	4287
GI	none	Score	262
Exons	3985..4287, 4001..4285		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	4000	End	4395
GI	none	Score	214
Exons	4000..4359, 4001..4288, 4363..4395, 4366..4395		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o5.tm	Method	TBLASTX:Maize
Start	4118	End	4281
GI	none	Score	142
Exons	4118..4276, 4120..4281, 4126..4281		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-

Start	577	End	15180
Name	OJ990901_03.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	4282	End	4716
GI	none	Score	67
Exons	4282..4716, 4505..4678		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	4336	End	4817
GI	none	Score	156
Exons	4336..4719, 4378..4698, 4511..4723, 4698..4817, 4699..4806		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o2.tc	Method	TBLASTX:Cress
Start	4372	End	4689
GI	none	Score	188
Exons	4372..4689		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o6.tm	Method	TBLASTX:Maize
Start	4750	End	4914
GI	none	Score	151
Exons	4750..4914, 4752..4913		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o9.tw	Method	TBLASTX:Wheat
Start	4989	End	5366
GI	none	Score	90
Exons	4989..5111, 4990..5100, 4995..5111, 5144..5365, 5244..5366		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o7.tm	Method	TBLASTX:Maize
Start	5049	End	5371
GI	none	Score	81
Exons	5049..5111, 5105..5371, 5223..5324		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o8.tw	Method	TBLASTX:Wheat
Start	8915	End	9301
GI	none	Score	104
Exons	8915..9061, 9086..9301, 9096..9278		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180

Name	OJ990901_03.9C17.C5.o2.gs	Method	GENSCAN
Start	9761	End	15180
GI	none	Score	.68
Exons	9761..10242, 10321..10987, 13760..14679, 14688..15180		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o2.gp	Method	AAT/GAP
Start	11767	End	12287
GI	LIB3434-038-P1-K1-F1	Score	763
Exons	11767..12287		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8548	Seq. ID	OJ990901_03.9C17.C5
Gene No.	18188	Strand	-
Start	577	End	15180
Name	OJ990901_03.9C17.C5.o7.tw	Method	TBLASTX:Wheat
Start	14150	End	14553
GI	none	Score	42
Exons	14150..14245, 14150..14320, 14283..14450, 14315..14551, 14402..14551, 14413..14553, 14443..14553		

Seq. No.	8549	Seq. ID	OJ990901_03.9C17.C6
Gene No.	18189	Strand	-
Start	1	End	1898
Name	OJ990901_03.9C17.C6.o1.gp	Method	AAT/GAP
Start	1	End	1898
GI	342_1.R1084	Score	2892
Exons	1..432, 542..639, 722..741, 777..1898		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8549	Seq. ID	OJ990901_03.9C17.C6
Gene No.	18189	Strand	-
Start	1	End	1898
Name	OJ990901_03.9C17.C6.o1.np	Method	AAT/NAP
Start	842	End	1898
GI	4680203	Score	973
Exons	842..1898		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8549	Seq. ID	OJ990901_03.9C17.C6
Gene No.	18189	Strand	-
Start	1	End	1898
Name	OJ990901_03.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1898
GI	none	Score	52
Exons	896..1009, 897..962, 990..1058, 991..1059, 1063..1143, 1071..1211, 1072..1212, 1159..1254, 1191..1250, 1257..1301, 1262..1297, 1296..1898, 1311..1628, 1312..1887, 1725..1889		

Seq. No.	8549	Seq. ID	OJ990901_03.9C17.C6
Gene No.	18189	Strand	-
Start	1	End	1898
Name	OJ990901_03.9C17.C6.o1.gs	Method	GENSCAN

Start	939	End	1880
GI	none	Score	.59
Exons	939..1880		

Seq. No.	8549	Seq. ID	OJ990901_03.9C17.C6
Gene No.	18189	Strand	-
Start	1	End	1898
Name	OJ990901_03.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	1479	End	1898
GI	none	Score	92
Exons	1479..1628, 1479..1898, 1483..1890		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18190	Strand	+
Start	11778	End	17238
Name	OJ990901_03.9C17.C7.o3.np	Method	AAT/NAP
Start	11778	End	17238
GI	6498441	Score	6996
Exons	11778..12841, 13178..13641, 13705..14078, 14262..14396, 14571..15294, 15466..16863, 16957..17238		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18191	Strand	+
Start	17399	End	17869
Name	OJ990901_03.9C17.C7.o4.gp	Method	AAT/GAP
Start	17399	End	17869
GI	2428323	Score	707
Exons	17399..17869		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18192	Strand	-
Start	1038	End	1456
Name	OJ990901_03.9C17.C7.o1.gp	Method	AAT/GAP
Start	791	End	1456
GI	15580_3.R1084	Score	1313
Exons	791..1456		
GI Descrip.	'6016877/dbj|BAA85220.1| 9.0e-18 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18192	Strand	-
Start	1038	End	1456
Name	OJ990901_03.9C17.C7.o1.gs	Method	GENSCAN
Start	1038	End	1391
GI	none	Score	.99
Exons	1038..1391		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18193	Strand	-
Start	2308	End	4469
Name	OJ990901_03.9C17.C7.o2.gs	Method	GENSCAN

Start	2308	End	4469
GI	none	Score	.75
Exons	2308..2517, 2600..2649, 4131..4240, 4324..4469		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18194	Strand	-
Start	6319	End	7099
Name	OJ990901_03.9C17.C7.o2.gp	Method	AAT/GAP
Start	6319	End	7099
GI	15580_2.R1084	Score	1554
Exons	6319..7099		
GI Descrip.	'6016877/dbj|BAA85220.1| 2.0e-21 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18194	Strand	-
Start	6319	End	7099
Name	OJ990901_03.9C17.C7.o4.gs	Method	GENSCAN
Start	6661	End	7011
GI	none	Score	1
Exons	6661..7011		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18194	Strand	-
Start	6319	End	7099
Name	OJ990901_03.9C17.C7.o1.np	Method	AAT/NAP
Start	6664	End	7085
GI	6016877	Score	244
Exons	6664..6860, 6889..7085		
GI Descrip.	(AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18195	Strand	-
Start	17877	End	21017
Name	OJ990901_03.9C17.C7.o6.gs	Method	GENSCAN
Start	17877	End	21017
GI	none	Score	.69
Exons	17877..21017		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18195	Strand	-
Start	17877	End	21017
Name	OJ990901_03.9C17.C7.o4.np	Method	AAT/NAP
Start	17880	End	21017
GI	6907089	Score	4477
Exons	17880..19662, 19757..21017		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	1038	End	6924
GI	none	Score	207

Exons	1038..1190, 1042..1206, 6649..6831, 6650..6868, 6874..6924		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	1044	End	6856
GI	none	Score	78
Exons	1044..1175, 1054..1176, 6667..6855, 6668..6856		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	1044	End	6823
GI	none	Score	115
Exons	1044..1190, 1051..1197, 6554..6601, 6667..6822, 6668..6823		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o6.tw	Method	TBLASTX:Wheat
Start	11926	End	20527
GI	none	Score	57
Exons	11926..11973, 11980..12078, 11997..12077, 12045..12317, 12061..12318, 20453..20527		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	11968	End	12216
GI	none	Score	197
Exons	11968..12216, 11970..12215		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	12326	End	15600
GI	none	Score	237
Exons	12326..12379, 15142..15363, 15166..15417, 15231..15416, 15451..15600, 15462..15599		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	13056	End	13548
GI	none	Score	89
Exons	13056..13184, 13057..13182, 13168..13548, 13257..13517, 13327..13521		
Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o1.tw	Method	TBLASTX:Wheat

Start	13713	End	14175
GI	none	Score	209
Exons	13713..14171, 13713..14168, 13714..14175, 13714..14169		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	13843	End	14199
GI	none	Score	385
Exons	13843..14199, 13878..14189, 13894..14199		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	14226	End	14610
GI	none	Score	355
Exons	14226..14591, 14227..14610		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	14283	End	14703
GI	none	Score	493
Exons	14283..14696, 14284..14703		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	14362	End	14733
GI	none	Score	278
Exons	14362..14733, 14379..14522		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	15289	End	15855
GI	5666795	Score	68
Exons	15289..15387, 15463..15600, 15655..15855		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o8.tw	Method	TBLASTX:Wheat
Start	15603	End	15915
GI	none	Score	182
Exons	15603..15701, 15655..15915, 15721..15804		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o2.tm	Method	TBLASTX:Maize

Start	16108	End	16431
GI	none	Score	357
Exons	16108..16431, 16125..16418		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	16248	End	16626
GI	none	Score	359
Exons	16248..16301, 16249..16626, 16347..16592, 16381..16599		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o7.tw	Method	TBLASTX:Wheat
Start	16627	End	19983
GI	none	Score	248
Exons	16627..16911, 16632..16910, 17103..17225, 17104..17229, 19900..19983		

Seq. No.	8550	Seq. ID	OJ990901_03.9C17.C7
Gene No.	18196	Strand	-
Start	21347	End	22081
Name	OJ990901_03.9C17.C7.o7.gs	Method	GENSCAN
Start	21347	End	22081
GI	none	Score	.48
Exons	21347..21494, 21966..22081		

Seq. No.	8551	Seq. ID	OJ990901_03.9C17.C8
Gene No.	18197	Strand	+
Start	887	End	2162
Name	OJ990901_03.9C17.C8.o1.gs	Method	GENSCAN
Start	887	End	2162
GI	none	Score	.6
Exons	887..914, 997..1143, 2048..2162		

Seq. No.	8551	Seq. ID	OJ990901_03.9C17.C8
Gene No.	18198	Strand	-
Start	4141	End	6476
Name	OJ990901_03.9C17.C8.o2.gs	Method	GENSCAN
Start	4141	End	6476
GI	none	Score	.79
Exons	4141..4215, 4437..4533, 5773..5873, 5985..6170, 6288..6476		

Seq. No.	8551	Seq. ID	OJ990901_03.9C17.C8
Gene No.	18198	Strand	-
Start	4141	End	6476
Name	OJ990901_03.9C17.C8.o1.np	Method	AAT/NAP
Start	4144	End	6455
GI	6056411	Score	565
Exons	4144..4215, 4437..4533, 5773..5873, 5985..6170, 6288..6455		
GI Descrip.	(AC009525) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8551	Seq. ID	OJ990901_03.9C17.C8
Gene No.	18198	Strand	-
Start	4141	End	6476

Name	OJ990901_03.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	5835	End	6399
GI	none	Score	52
Exons	5835..5870, 5836..5871, 5957..6166, 5980..6162, 5985..6170, 5986..6171, 6036..6170, 6258..6395, 6283..6390, 6289..6399, 6291..6392		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18199	Strand	+
Start	3678	End	5589
Name	OJ990901_03.9C17.C9.o1.gp	Method	AAT/GAP
Start	3590	End	4991
GI	369_4.R1084	Score	870
Exons	3590..3680, 4255..4332, 4441..4621, 4728..4825, 4922..4991		
GI Descrip.	'3123270/sp|P49398|RS4_ORYSA 6.0e-61 40S RIBOSOMAL PROTEIN S4 (SCAR PROTEIN SS620) >gi_2463335_emb_CAA75242_ (Y15009) ribosomal protein S4 [Oryza sativa]'		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18199	Strand	+
Start	3678	End	5589
Name	OJ990901_03.9C17.C9.o2.gs	Method	GENSCAN
Start	3678	End	5359
GI	none	Score	.75
Exons	3678..3680, 4255..4332, 4441..4584, 4748..4825, 4922..5359		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18199	Strand	+
Start	3678	End	5589
Name	OJ990901_03.9C17.C9.o1.np	Method	AAT/NAP
Start	4252	End	5356
GI	3914899	Score	1252
Exons	4252..4332, 4441..4621, 4728..4825, 4922..5356		
GI Descrip.	40S RIBOSOMAL PROTEIN S4 gi|2331301 (AF013487) ribosomal protein S4 type I [Zea mays]		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18199	Strand	+
Start	3678	End	5589
Name	OJ990901_03.9C17.C9.o3.gp	Method	AAT/GAP
Start	4524	End	5589
GI	369_5.R1084	Score	1376
Exons	4524..4621, 4728..4825, 4922..5589		
GI Descrip.	'3914899/sp|O22424|RS4_MAIZE 6.0e-76 40S RIBOSOMAL PROTEIN S4 >gi_2331301 (AF013487) ribosomal protein S4 type I [Zea mays]'		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18199	Strand	+
Start	3678	End	5589
Name	OJ990901_03.9C17.C9.o2.gp	Method	AAT/GAP
Start	4526	End	5589
GI	369_5.R1084	Score	1376
Exons	4526..4621, 4728..4825, 4922..5589		
GI Descrip.	'3914899/sp|O22424|RS4_MAIZE 6.0e-76 40S RIBOSOMAL PROTEIN S4 >gi_2331301 (AF013487) ribosomal protein S4 type I [Zea mays]'		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9

Gene No.	18200	Strand	-
Start	173	End	3367
Name	OJ990901_03.9C17.C9.o1.gs	Method	GENSCAN
Start	173	End	3367
GI	none	Score	.84
Exons	173..198, 384..615, 1140..1173, 1362..1465, 3089..3367		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	464	End	3161
GI	none	Score	133
Exons	464..616, 466..618, 1137..1277, 1140..1292, 1358..1486, 1361..1468, 3080..3139, 3081..3161		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	1194	End	3228
GI	none	Score	88
Exons	1194..1274, 1194..1277, 1341..1487, 1361..1468, 1419..1481, 3080..3154, 3081..3158, 3166..3228, 3194..3226		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	4246	End	5351
GI	none	Score	143
Exons	4246..4332, 4254..4331, 4441..4620, 4444..4620, 4446..4622, 4520..4624, 4720..4818, 4720..4830, 4727..4849, 4919..5056, 4921..5016, 5051..5089, 5059..5187, 5077..5277, 5088..5351, 5112..5270, 5144..5326, 5227..5346		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	4249	End	5326
GI	none	Score	143
Exons	4249..4332, 4254..4328, 4441..4620, 4452..4622, 4457..4624, 4476..4619, 4514..4633, 4720..4815, 4720..4830, 4727..4849, 4919..5089, 4921..5277, 5088..5315, 5112..5267, 5144..5326		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	4254	End	4819
GI	none	Score	137
Exons	4254..4331, 4255..4332, 4426..4620, 4441..4620, 4443..4625, 4727..4819, 4734..4817		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-

Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	4255	End	4998
GI	none	Score	38
Exons	4255..4284, 4270..4332, 4441..4620, 4476..4619, 4727..4834, 4740..4823, 4919..4990, 4924..4998		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	4913	End	5209
GI	none	Score	84
Exons	4913..5197, 4920..5006, 4924..5208, 4925..5089, 5118..5195, 5144..5209		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	5039	End	5216
GI	none	Score	76
Exons	5039..5089, 5039..5191, 5041..5187, 5074..5196, 5094..5216, 5144..5191		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o3.tw	Method	TBLASTX:Wheat
Start	5213	End	5358
GI	none	Score	194
Exons	5213..5329, 5213..5308, 5214..5348, 5218..5358		

Seq. No.	8552	Seq. ID	OJ990901_03.9C17.C9
Gene No.	18201	Strand	-
Start	6163	End	6715
Name	OJ990901_03.9C17.C9.o3.gs	Method	GENSCAN
Start	6163	End	6715
GI	none	Score	.72
Exons	6163..6257, 6568..6715		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18202	Strand	-
Start	317	End	4029
Name	OJ990901_03.9C17.C10.o1.gs	Method	GENSCAN
Start	317	End	4029
GI	none	Score	.75
Exons	317..1949, 2647..4029		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18202	Strand	-
Start	317	End	4029
Name	OJ990901_03.9C17.C10.o1.np	Method	AAT/NAP
Start	1815	End	3600
GI	2792220	Score	589
Exons	1815..2485, 2532..3264, 3304..3600		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18203	Strand	-
Start	5913	End	6922
Name	OJ990901_03.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	2605	End	3069
GI	none	Score	68
Exons	2605..2763, 2797..3021, 2846..2920, 3013..3069		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18203	Strand	-
Start	5913	End	6922
Name	OJ990901_03.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	2839	End	3396
GI	none	Score	82
Exons	2839..3183, 3008..3163, 3241..3345, 3349..3396		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18203	Strand	-
Start	5913	End	6922
Name	OJ990901_03.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	3289	End	3657
GI	none	Score	123
Exons	3289..3396, 3308..3457, 3457..3552, 3467..3550, 3583..3657		

Seq. No.	8553	Seq. ID	OJ990901_03.9C17.C10
Gene No.	18203	Strand	-
Start	5913	End	6922
Name	OJ990901_03.9C17.C10.o2.gs	Method	GENSCAN
Start	5913	End	6922
GI	none	Score	.65
Exons	5913..6107, 6376..6546, 6848..6922		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18204	Strand	+
Start	960	End	8351
Name	OJ990901_03.9C17.C11.o1.gs	Method	GENSCAN
Start	960	End	8351
GI	none	Score	.52
Exons	960..1542, 1816..1986, 2338..3340, 3395..3488, 3760..4477, 4776..5066, 5336..5512, 5561..5698, 5708..5827, 5867..6134, 6747..7012, 7033..8351		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18204	Strand	+
Start	960	End	8351
Name	OJ990901_03.9C17.C11.o1.np	Method	AAT/NAP
Start	4376	End	8351
GI	4544372	Score	1394
Exons	4376..4549, 4923..5946, 6007..6334, 6455..8351		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18205	Strand	+
Start	9292	End	12705
Name	OJ990901_03.9C17.C11.o2.gs	Method	GENSCAN

Start	9292	End	12705
GI	none	Score	.43
Exons	9292..9370, 9854..10124, 10909..10933, 12308..12379, 12535..12705		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18205	Strand	+
Start	9292	End	12705
Name	OJ990901_03.9C17.C11.o1.gp	Method	AAT/GAP
Start	10198	End	10644
GI	41678_1.R1084	Score	751
Exons	10198..10644		
GI Descrip.	'1931631 2.0e-70 (U93561) glutamate dehydrogenase [Zea mays]'		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18206	Strand	+
Start	13286	End	15241
Name	OJ990901_03.9C17.C11.o3.gs	Method	GENSCAN
Start	13286	End	15241
GI	none	Score	.69
Exons	13286..13422, 13863..14003, 14160..14262, 15182..15241		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18207	Strand	+
Start	15944	End	16088
Name	OJ990901_03.9C17.C11.o2.gp	Method	AAT/GAP
Start	15944	End	16088
GI	21474_1.R1084	Score	251
Exons	15944..16088		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18208	Strand	-
Start	10505	End	11420
Name	OJ990901_03.9C17.C11.o2.np	Method	AAT/NAP
Start	10505	End	11420
GI	1762148	Score	185
Exons	10505..10638, 11375..11420		
GI Descrip.	(U48695) glutamate dehydrogenase [Solanum lycopersicum]		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o4.tm	Method	TBLASTX:Maize
Start	2706	End	3074
GI	none	Score	145
Exons	2706..2831, 2723..2830, 2856..3074, 2861..2977		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o7.ts	Method	TBLASTX:Soybean
Start	4192	End	4554
GI	none	Score	202
Exons	4192..4554		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o5.ts	Method	TBLASTX:Soybean
Start	5036	End	5403
GI	none	Score	131
Exons	5036..5254, 5269..5403		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	5198	End	5604
GI	none	Score	82
Exons	5198..5314, 5215..5268, 5238..5537, 5251..5604, 5323..5553		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	5257	End	5472
GI	none	Score	302
Exons	5257..5472, 5259..5471, 5326..5472		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	5473	End	5934
GI	none	Score	631
Exons	5473..5934, 5475..5537, 5622..5933		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	5620	End	6089
GI	none	Score	229
Exons	5620..5901, 5650..5862, 5655..5912, 5902..6087, 5943..6089		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	5623	End	6003
GI	none	Score	204
Exons	5623..5925, 5677..5766, 5902..6003		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	6240	End	6650
GI	none	Score	77
Exons	6240..6374, 6240..6374, 6241..6384, 6241..6378, 6414..6500, 6415..6591, 6603..6650		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o5.tm	Method	TBLASTX:Maize
Start	7167	End	7520
GI	none	Score	211
Exons	7167..7520		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o4.ts	Method	TBLASTX:Soybean
Start	7368	End	7769
GI	none	Score	244
Exons	7368..7769, 7407..7589, 7475..7669		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o4.tw	Method	TBLASTX:Wheat
Start	7530	End	7889
GI	none	Score	179
Exons	7530..7889		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	7920	End	8336
GI	none	Score	250
Exons	7920..8336		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o3.ts	Method	TBLASTX:Soybean
Start	8112	End	8374
GI	none	Score	246
Exons	8112..8345, 8156..8242, 8312..8374		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	10050	End	10639
GI	none	Score	97
Exons	10050..10130, 10051..10131, 10075..10131, 10457..10639, 10503..10613		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	10502	End	10639
GI	none	Score	119
Exons	10502..10639, 10506..10616		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o6.ts	Method	TBLASTX:Soybean
Start	10502	End	10639
GI	none	Score	146
Exons	10502..10639, 10506..10616, 10597..10638		

Seq. No.	8554	Seq. ID	OJ990901_03.9C17.C11
Gene No.	18209	Strand	-
Start	16488	End	17189
Name	OJ990901_03.9C17.C11.o4.gs	Method	GENSCAN
Start	16488	End	17189
GI	none	Score	.88
Exons	16488..16673, 16753..16851, 17103..17189		

Seq. No.	8555	Seq. ID	OJ990901_03.9C17.C12
Gene No.	18210	Strand	+
Start	106	End	374
Name	OJ990901_03.9C17.C12.o1.gs	Method	GENSCAN
Start	106	End	374
GI	none	Score	.78
Exons	106..144, 256..374		

Seq. No.	8556	Seq. ID	OJ990901_03.9C17.C13
Gene No.	18211	Strand	-
Start	1	End	1419
Name	OJ990901_03.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	1419
GI	4680203	Score	476
Exons	1..538, 1383..1419		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8556	Seq. ID	OJ990901_03.9C17.C13
Gene No.	18211	Strand	-
Start	1	End	1419
Name	OJ990901_03.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	1	End	187
GI	none	Score	81
Exons	1..87, 2..97, 9..89, 80..187		

Seq. No.	8556	Seq. ID	OJ990901_03.9C17.C13
Gene No.	18211	Strand	-
Start	1	End	1419
Name	OJ990901_03.9C17.C13.o1.gs	Method	GENSCAN
Start	79	End	538
GI	none	Score	.5
Exons	79..538		

Seq. No.	8556	Seq. ID	OJ990901_03.9C17.C13
Gene No.	18211	Strand	-
Start	1	End	1419
Name	OJ990901_03.9C17.C13.o1.gp	Method	AAT/GAP
Start	399	End	988
GI	2310235	Score	301
Exons	399..538, 951..988		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza		

sativa]

Seq. No.	8557	Seq. ID	OJ990901_03.9C17.C14
Gene No.	18212	Strand	-
Start	377	End	734
Name	OJ990901_03.9C17.C14.o1.gs	Method	GENSCAN
Start	377	End	734
GI	none	Score	.86
Exons	377..734		

Seq. No.	8558	Seq. ID	OJ990901_03.9C17.C15
Gene No.	18213	Strand	+
Start	643	End	1047
Name	OJ990901_03.9C17.C15.o1.gp	Method	AAT/GAP
Start	643	End	1047
GI	none	Score	798
Exons	643..1047		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18214	Strand	+
Start	1280	End	1630
Name	OJ990901_03.9C17.C16.o1.gs	Method	GENSCAN
Start	1280	End	1630
GI	none	Score	.95
Exons	1280..1630		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18215	Strand	+
Start	6267	End	7469
Name	OJ990901_03.9C17.C16.o4.gs	Method	GENSCAN
Start	6267	End	7434
GI	none	Score	.66
Exons	6267..7434		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18215	Strand	+
Start	6267	End	7469
Name	OJ990901_03.9C17.C16.o2.np	Method	AAT/NAP
Start	6675	End	7469
GI	2792220	Score	373
Exons	6675..7299, 7336..7469		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18216	Strand	-
Start	1212	End	5847
Name	OJ990901_03.9C17.C16.o1.np	Method	AAT/NAP
Start	1212	End	4325
GI	6069646	Score	819
Exons	1212..1808, 2910..3276, 3553..4325		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16

Gene No.	18216	Strand	-
Start	1212	End	5847
Name	OJ990901_03.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	3553	End	3927
GI	none	Score	81
Exons	3553..3927, 3623..3805, 3848..3925		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18216	Strand	-
Start	1212	End	5847
Name	OJ990901_03.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	3937	End	4353
GI	none	Score	202
Exons	3937..4353, 3938..4351, 3988..4353		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18216	Strand	-
Start	1212	End	5847
Name	OJ990901_03.9C17.C16.o3.gs	Method	GENSCAN
Start	4018	End	5847
GI	none	Score	.97
Exons	4018..4740, 5845..5847		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18217	Strand	
Start	6621	End	7436
Name	OJ990901_03.9C17.C16.o3.tm	Method	TBLASTX:Maize
Start	6621	End	6986
GI	none	Score	53
Exons	6621..6692, 6720..6821, 6765..6986, 6845..6967		

Seq. No.	8559	Seq. ID	OJ990901_03.9C17.C16
Gene No.	18217	Strand	
Start	6621	End	7436
Name	OJ990901_03.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	6861	End	7436
GI	none	Score	75
Exons	6861..6923, 6930..7022, 7065..7304, 7338..7436		

Seq. No.	8560	Seq. ID	OJ990901_03.9C17.C17
Gene No.	18218	Strand	+
Start	1	End	1105
Name	OJ990901_03.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	1105
GI	4519258	Score	151
Exons	1..703, 896..960, 1057..1105		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	8561	Seq. ID	OJ991120_31.0103.C1
Gene No.	18219	Strand	-
Start	281	End	683
Name	OJ991120_31.0103.C1.o1.gs	Method	GENSCAN
Start	281	End	683
GI	none	Score	1
Exons	281..437, 477..683		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3

Gene No.	18220	Strand	+
Start	1986	End	8284
Name	OJ991120_31.0103.C3.o1.gs	Method	GENSCAN
Start	1986	End	8284
GI	none	Score	.47
Exons	1986..2142, 2247..2776, 2884..2938, 3921..3991, 4527..4612, 4713..4803, 5252..5382, 5930..6051, 6264..6374, 6563..6608, 6659..6766, 8036..8118, 8235..8284		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18220	Strand	+
Start	1986	End	8284
Name	OJ991120_31.0103.C3.o1.gp	Method	AAT/GAP
Start	4521	End	6790
GI	11159_1.R1084	Score	1064
Exons	4521..4612, 4713..4803, 5252..5320, 6052..6132, 6209..6374, 6563..6608, 6686..6790		
GI Descrip.	'2264315/dbj|AB005243.1|AB005243 5.0e-11 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MRN17, complete sequence'		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	4710	End	6352
GI	none	Score	75
Exons	4710..4805, 4712..4804, 4713..4805, 4714..4806, 5238..5321, 5240..5326, 5246..5326, 6041..6133, 6046..6132, 6048..6134, 6048..6137, 6052..6135, 6208..6348, 6209..6349, 6209..6352		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	6214	End	8114
GI	none	Score	206
Exons	6214..6387, 6215..6373, 6684..6770, 6684..6752, 8076..8114		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o2.gs	Method	GENSCAN
Start	11846	End	14550
GI	none	Score	.49
Exons	11846..12100, 12142..12442, 12582..12781, 12871..14550		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	12611	End	13452
GI	none	Score	135
Exons	12611..12730, 12613..12720, 12749..12784, 12868..12903, 12889..13290, 12890..13210, 12982..13383, 13242..13382, 13318..13383, 13390..13452, 13395..13448		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3

Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	13071	End	13590
GI	none	Score	478
Exons	13071..13178, 13072..13461, 13072..13590, 13463..13570, 13522..13590		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o2.gp	Method	AAT/GAP
Start	13317	End	13762
GI	1632088	Score	777
Exons	13317..13762		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	13660	End	14405
GI	none	Score	835
Exons	13660..14364, 13731..14357, 14350..14400, 14361..14405		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	13747	End	14211
GI	none	Score	618
Exons	13747..14211, 13758..14186, 13762..14208		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o1.np	Method	AAT/NAP
Start	13804	End	14587
GI	4503617	Score	191
Exons	13804..14587		
GI Descrip.	exostoses (multiple)-like 3 gi|6166159|sp|O43909|EXL3_HUMAN EXOSTOSIN-LIKE 3 (PUTATIVE TUMOUR SUPPRESSOR PROTEIN EXTL3) (MULTIPLE EXOSTOSIS-LIKE PROTEIN 3) (HEREDITARY MULTIPLE EXOSTOSES GENE ISOLOG) (KIAA0519) gi|2723391|dbj|BAA24080| (AB007042) EXTR1 [Homo sapiens] gi|2897905 (AF001690) EXT like protein 3 [Homo sapiens] gi|3043562|dbj|BAA25445| (AB011091) KIAA0519 p		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3
Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	13852	End	14340
GI	none	Score	71
Exons	13852..13938, 13957..14145, 13992..14141, 14180..14227, 14287..14340		

Seq. No.	8562	Seq. ID	OJ991120_31.0103.C3

Gene No.	18221	Strand	+
Start	11846	End	14587
Name	OJ991120_31.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	14214	End	14549
GI	none	Score	134
Exons	14214..14495, 14217..14549, 14221..14544		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18222	Strand	-
Start	495	End	2608
Name	OJ991120_31.0103.C4.o1.gs	Method	GENSCAN
Start	495	End	2542
GI	none	Score	.79
Exons	495..542, 1808..1941, 2221..2542		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18222	Strand	-
Start	495	End	2608
Name	OJ991120_31.0103.C4.o1.np	Method	AAT/NAP
Start	1008	End	1927
GI	4678330	Score	295
Exons	1008..1206, 1808..1927		
GI Descrip.	(AL049658) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18222	Strand	-
Start	495	End	2608
Name	OJ991120_31.0103.C4.o1.gp	Method	AAT/GAP
Start	1835	End	2608
GI	none	Score	926
Exons	1835..1941, 2221..2608		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18223	Strand	-
Start	7310	End	8310
Name	OJ991120_31.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	801	End	1955
GI	none	Score	97
Exons	801..917, 814..918, 1060..1209, 1061..1207, 1808..1945, 1812..1955, 1812..1955		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18223	Strand	-
Start	7310	End	8310
Name	OJ991120_31.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	801	End	2267
GI	none	Score	159
Exons	801..917, 805..939, 811..918, 1060..1209, 1061..1207, 1800..1946, 1807..1938, 1808..1945, 2214..2267		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18223	Strand	-
Start	7310	End	8310
Name	OJ991120_31.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	846	End	1946
GI	none	Score	69
Exons	846..917, 846..941, 1057..1203, 1060..1209, 1061..1207,		

1808..1945, 1812..1946

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18223	Strand	-
Start	7310	End	8310
Name	OJ991120_31.0103.C4.o2.np	Method	AAT/NAP
Start	7269	End	8310
GI	6815053	Score	629
Exons	7269..7505, 7555..7730, 8252..8310		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	8563	Seq. ID	OJ991120_31.0103.C4
Gene No.	18223	Strand	-
Start	7310	End	8310
Name	OJ991120_31.0103.C4.o3.gs	Method	GENSCAN
Start	7310	End	7908
GI	none	Score	.75
Exons	7310..7505, 7546..7671, 7790..7908		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045
Name	OJ991120_31.0103.C5.o1.gp	Method	AAT/GAP
Start	539	End	2153
GI	LIB3432-040-P1-K1-B5	Score	870
Exons	539..676, 764..977, 1079..1142, 2088..2153		
GI Descrip.	'1653333/dbj|BAA18248| 7.0e-16 (D90912) ferredoxin [Synechocystis sp.]'		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045
Name	OJ991120_31.0103.C5.o1.gs	Method	GENSCAN
Start	651	End	4125
GI	none	Score	.51
Exons	651..676, 764..977, 1079..1142, 2088..2176, 3763..4125		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045
Name	OJ991120_31.0103.C5.o1.np	Method	AAT/NAP
Start	906	End	2961
GI	1653333	Score	222
Exons	906..977, 1079..1142, 2088..2176, 2687..2755, 2890..2961		
GI Descrip.	(D90912) ferredoxin [Synechocystis sp.]		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045
Name	OJ991120_31.0103.C5.o2.gp	Method	AAT/GAP
Start	3139	End	3609
GI	none	Score	594
Exons	3139..3193, 3288..3609		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045

Name	OJ991120_31.0103.C5.o2.np	Method	AAT/NAP
Start	3833	End	6801
GI	4467108	Score	600
Exons	3833..3948, 5176..5659, 5837..5887, 6412..6801		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18224	Strand	+
Start	539	End	14045
Name	OJ991120_31.0103.C5.o2.gs	Method	GENSCAN
Start	5001	End	14045
GI	none	Score	.5
Exons	5001..5281, 5380..5659, 5884..5887, 6434..6733, 11022..11123, 11500..11523, 11565..11676, 11952..12089, 12357..12433, 13897..14045		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18225	Strand	+
Start	16012	End	22830
Name	OJ991120_31.0103.C5.o3.gs	Method	GENSCAN
Start	16012	End	22830
GI	none	Score	.47
Exons	16012..16064, 20637..20732, 21785..21928, 22809..22830		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18226	Strand	+
Start	24868	End	28573
Name	OJ991120_31.0103.C5.o5.gp	Method	AAT/GAP
Start	24868	End	25300
GI	52487_1.R1084	Score	849
Exons	24868..25300		
GI Descrip.	'3738324 4.0e-16 (AC005170) GMP synthase-like protein [Arabidopsis thaliana]'		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18226	Strand	+
Start	24868	End	28573
Name	OJ991120_31.0103.C5.o4.np	Method	AAT/NAP
Start	25048	End	28347
GI	3738324	Score	448
Exons	25048..25362, 27732..27887, 27982..28158, 28249..28347		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18226	Strand	+
Start	24868	End	28573
Name	OJ991120_31.0103.C5.o6.gp	Method	AAT/GAP
Start	28105	End	28573
GI	none	Score	737
Exons	28105..28149, 28223..28573		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18227	Strand	-
Start	14960	End	22529
Name	OJ991120_31.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	890	End	3184
GI	none	Score	127

Exons	890..1006, 894..998, 1076..1144, 2086..2175, 2087..2176, 2089..2196, 2663..2755, 2684..2755, 2685..2759, 2890..2934, 3032..3076, 3134..3184		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18227	Strand	-
Start	14960	End	22529
Name	OJ991120_31.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	5135	End	5435
GI	none	Score	96
Exons	5135..5221, 5144..5281, 5151..5282, 5151..5285, 5354..5434, 5385..5435		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18227	Strand	-
Start	14960	End	22529
Name	OJ991120_31.0103.C5.o4.gp	Method	AAT/GAP
Start	14960	End	22529
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	14960..15003, 22492..22529		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18227	Strand	-
Start	14960	End	22529
Name	OJ991120_31.0103.C5.o3.np	Method	AAT/NAP
Start	20537	End	20634
GI	3617814	Score	72
Exons	20537..20634		
GI Descrip.	(AJ009982) NADH dehydrogenase subunit 6 [Daucus carota]		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	24950	End	25286
GI	none	Score	37
Exons	24950..24985, 25060..25236, 25061..25189, 25078..25284, 25080..25286		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	25066	End	25335
GI	none	Score	94
Exons	25066..25236, 25067..25189, 25078..25335, 25080..25334		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	25078	End	28338
GI	none	Score	288
Exons	25078..25365, 25083..25142, 25239..25304, 25329..25361,		

27729..27890, 27740..27865, 27979..28167, 27988..28167,
28257..28331, 28258..28338

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	25093	End	28338
GI	none	Score	253
Exons	25093..25365, 28252..28338		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	27831	End	28146
GI	none	Score	53
Exons	27831..27890, 27849..27890, 27979..28146, 27979..28146		

Seq. No.	8564	Seq. ID	OJ991120_31.0103.C5
Gene No.	18228	Strand	
Start	24950	End	28343
Name	OJ991120_31.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	27858	End	28343
GI	none	Score	58
Exons	27858..27890, 27974..28048, 27979..28149, 27979..28158, 28239..28319, 28240..28338, 28240..28338, 28245..28343		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18229	Strand	+
Start	517	End	930
Name	OJ991120_31.0103.C6.o1.gs	Method	GENSCAN
Start	517	End	930
GI	none	Score	.43
Exons	517..655, 807..930		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18230	Strand	+
Start	6436	End	6863
Name	OJ991120_31.0103.C6.o2.gp	Method	AAT/GAP
Start	6436	End	6863
GI	1600_1.R1084	Score	822
Exons	6436..6863		
GI Descrip.	'3413423/emb|CAA06976.1| 2.0e-15 (AJ006309) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18231	Strand	+
Start	10315	End	11170
Name	OJ991120_31.0103.C6.o3.gs	Method	GENSCAN
Start	10315	End	11170
GI	none	Score	.82
Exons	10315..10395, 10524..10701, 10720..10901, 11015..11170		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465